# clarion®

Owner's manual
Mode d'emploi
Manual de instrucciones

DXZ815MP

**AM/FM CD/MP3 PLAYER
WITH CD/MD CHANGER/TV/DAB/
DSP CONTROL**

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**COMBINE RADIO AM/FM CD/MP3 AVEC
PILOTE DE CHANGEUR CD/MD/TV/DAB/DSP**

•

**SINTONIZADOR DE AM/FM Y REPRODUCTOR DE
DISCOS COMPACTOS/MP3 CON CONTROL DE
CAMBIADOR DE DISCOS COMPACTOS/MINIDISCOS/
TELEVISOR/SINTONIZADOR DAB/PROCESADOR DE
SEÑAL DIGITAL**

CeNET   *4V HVO*   **TOUCH-n·GO**   **COMPACT disc DIGITAL AUDIO**

Thank you for purchasing the **Clarion DXZ815MP**.
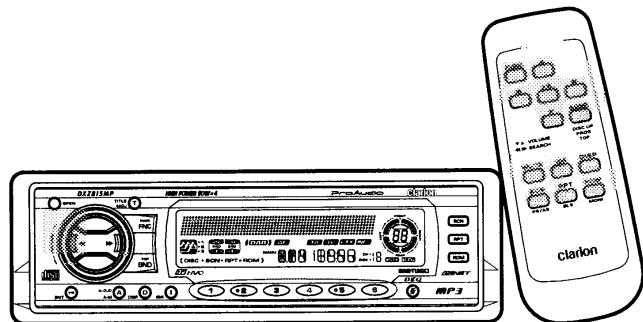
* Please read this owner's manual in its entirety before operating this equipment.
* After reading this manual, be sure to keep it in a handy place (e.g., glove compartment).
* Check the contents of the enclosed warranty card and keep it carefully with this manual.
* This manual includes the operating procedures of the CD changer, MD changer, TV tuner and DSP connected via the CeNET cable. The CD changer, MD changer, TV tuner and DSP have their own manuals, but no explanations for operating them are described.

Contents

1. FEATURES

- Rotary Encoder Volume Control
- Touch-n-GO Flip Down Detachable Aluminum Face
- Controller for Optional DSP/EQ, TV Tuner and DVD Deck Modules
- Capability to Read CD TEXT Data from Clarion Compatible CD Changer
- BEAT EQ with 3 Adjustment Modes
- CeNET with Balanced Audio Line Transmission and Dynamic Noise Canceling
- MAGI-TUNE❸ FM Reception System
- 8-Times Oversampling Digital Filter and Dual 1-Bit D/A Converters
- Zero-Bit Detector™ Mute Cicuit
- 4V/4-Channel RCA Line Level Output with Fader Control
- 4V/2-Channel Non-Fade RCA Line Level Output with Volume Control
- 2-Channel RCA AUX Input with 3Level Adjustments
- 200W (50W×4) Maximum Power Output

1. When the inside of the car is very cold and the player is used soon after switching on the heater moisture may form on the disc or the optical parts of the player and proper playback may not be possible. If moisture forms on the disc, wipe it off with a soft cloth. If moisture forms on the optical parts of the player, do not use the player for about one hour. The condensation will disappear naturally allowing normal operation.

2. Driving on extremely bumpy roads which cause severe vibration may cause the sound to skip.

3. When the auto antenna cord is connected to the car auto antenna cord, when the unit is switched to the radio mode (or the TV mode), the antenna is extended automatically. If the car is in a narrow space, the antenna may strike something, so be careful.

4. This unit uses a precision mechanism. Even in the event that trouble arises, never open the case, disassemble the unit, or lubricate the rotating parts.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to consult the dealer or an experienced radio/TV technician for help.

⚠ CAUTION

USE OF CONTROLS, ADJUSTMENTS, OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN, MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

THE COMPACT DISC PLAYER and MINI DISC PLAYER SHOULD NOT BE ADJUSTED OR REPAIRED BY ANYONE EXCEPT PROPERLY QUALIFIED SERVICE PERSONNEL.

CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE MANUFACTURER FOR COMPLIANCE COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

INFORMATION FOR USERS:

CHANGES OR MODIFICATIONS TO THIS PRODUCT NOT APPROVED BY THE MANUFACTURER WILL VOID THE WARRANTY AND WILL VIOLATE FCC APPROVAL.

```
MODEL ............................          clarion
        ....................................
            12V ⊖ GROUND
  AM 530-1710kHz/FM 87.9-107.9MHz
THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES.
OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS:
(1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND
(2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED,
INCLUDING INTERFERENCE TAHT MAY CAUSE UNDESIRED
OPERATION.

THIS PRODUCTION COMPLIES WITH DHHS RULES 21 CFR
SUBCHAPTER J APPLICABLE AT DATE OF MANUFACTURE.

CLARION CO.,LTD.
50 KAMITODA,TODA-SHI,SAITAMA-KEN,JAPAN

MANUFACTURED:

                                286-
SERIAL No.                      Clarion Co.,Ltd.
PE-                             MADE IN
```

Bottom View of Source Unit

Handling Compact Discs

Use only compact discs bearing the 🅲🅳 mark.

Do not play heart-shaped, octagonal, or other specially shaped compact discs.

Handling

- Compared to ordinary music CDs, CD-R and CD-RW discs are both easily affected by high temperature and humidity and some of CD-R and CD-RW discs may not be played.
  Therefore, do not leave them for a long time in the car.
- New discs may have some roughness around the edges. If such discs are used, the player may not work or the sound may skip. Use a ball-point pen or the like to remove any roughness from the edge of the disc.

Ball-point pen

Roughness
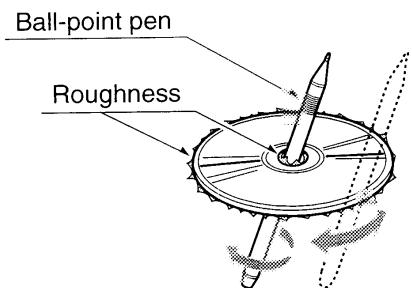
- Never stick labels on the surface of the compact disc or mark the surface with a pencil or pen.
- Never play a compact disc with any cellophane tape or other glue on it or with peeling off marks. If you try to play such a compact disc, you may not be able to get it back out of the CD player or it may damage the CD player.

- Do not use compact discs that have large scratches, are misshapen, cracked, etc. Use of such discs may cause misoperation or damage.
- To remove a compact disc from its storage case, press down on the center of the case and lift the disc out, holding it carefully by the edges.
- Do not use commercially available CD protection sheets or discs equipped with stabilizers, etc. These may damage the disc or cause breakdown of the internal mechanism.

Storage

- Do not expose compact discs to direct sunlight or any heat source.
- Do not expose compact discs to excess humidity or dust.
- Do not expose compact discs to direct heat from heaters.

Cleaning

- To remove fingermarks and dust, use a soft cloth and wipe in a straight line from the center of the compact disc to the circumference.
- Do not use any solvents, such as commercially available cleaners, anti-static spray or thinner to clean compact discs.
- After using special compact disc cleaner, let the compact disc dry off well before playing it.

Flip Down Panel

This unit uses a flip-down structure that makes possible large-size displays.

⚠CAUTION

When opening and closing the FLIP DOWN PANEL, be careful not to catch your fingers. They could be injured.

1. Always use this unit with the FLIP DOWN PANEL closed.

2. Do not force operations or use this device abnormally when opening or closing the FLIP DOWN PANEL.

3. Do not use the FLIP DOWN PANEL as a tray to place objects on when it is open.

4. When closing the FLIP DOWN PANEL, do not press OPEN button [1].

5. Strong impacts to the operating or display section can cause damage or deformation.

6. If the flip down panel does not open fully, gently open it with your hand.

Source unit / Appareil pilote / Unidad fuente
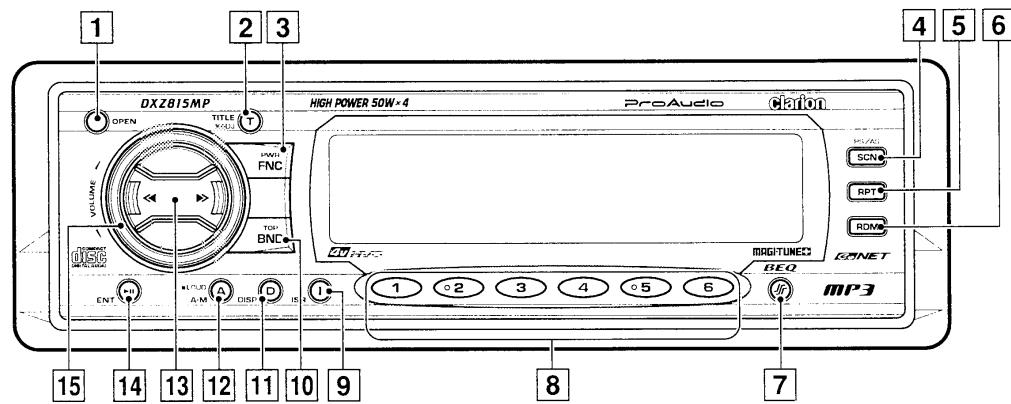
With the FLIP DOWN PANEL opened / Avec le PANNEAU RABATTABLE ouvert/ Con el PANEL ABATIBLE abierto
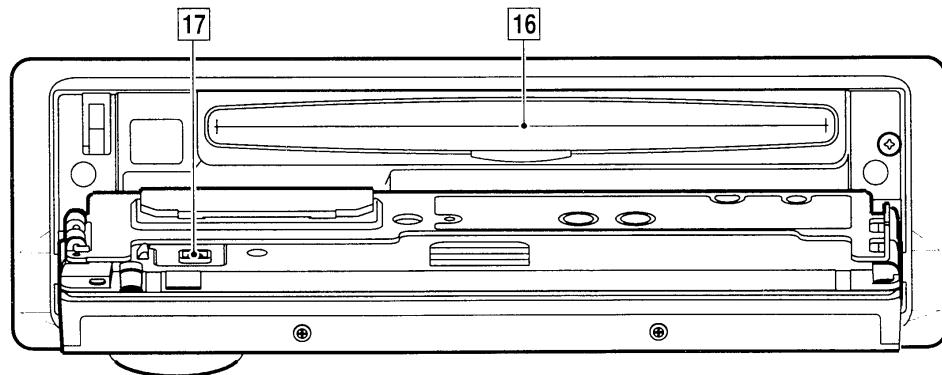
Display / Afficheur / Visualizador
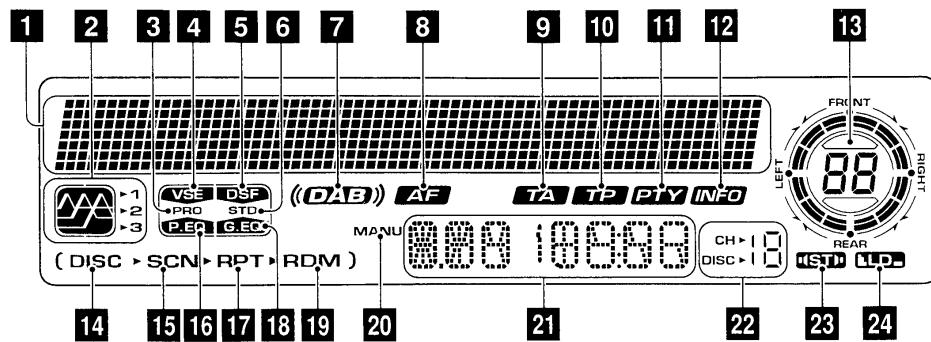
Note: Be sure to unfold this page and refer to the front diagrams as you read each chapter.

Remarque: Veuillez déplier cette page et vous référer aux schémas quand vous lisez chaque chapitre.

Nota: Cuando lea los capítulos, despliegue esta página y consulte los diagramas.

4. NOMENCLATURE

Note:
• Be sure to read this chapter referring to the front diagrams of chapter "**3. CONTROLS**" on page 5 (unfold).

Names of Buttons

1 OPEN button
2 TITLE button
   ADJ (adjust) button
3 PWR(power) button
   FNC (function) button
4 PS/AS (preset scan/auto store) button
   SCN (scan) button
5 RPT (repeat) button
6 RDM (random) button
7 BEQ(Beat EQ) Button
8 Preset button (1 to 6)
   Direct button (1 to 6) (7 to 12)
9 INFO(infomation) button
   ISR button

10 BND (band) button
    TOP button
11 DISP (display) button
12 LOUD (loudness) button
    A-M (audio mode) button
13 SEARCH button
14 Play/pause button
    ENT (enter) button
15 Rotary knob
16 CD insertion slot
17 Eject button

Display Items (Function mode)

1 Operation status indication
   *Title, clock, etc. are displayed.
2 BEQ indication (BEQ: Beat EQ)
3 Professional mode indication
4 VSE indication (VSE: Virtual Space Enhancer)
5 DSF indication (DSF: Digital Sound Field)
6 STD mode indication (STD: Standard)
7 DAB indication
8 Alternative freguency indication
9 Traffic announcement indication
10 Traffic program indication
11 Program type indication
12 Infomation indication
13 Clock (Clock indication) etc.
    (A mode, FADER, BALANCE, etc. indications)

14 Disc indication
15 Scan indication
16 Parametric egualizer indication
17 Repeat indication
18 Graphic egualizer indication
19 Random indication
20 Manual indication
21 Operation status indication
    *The frequency, play time, etc.
22 Preset channel indication (1 to 6)
    Disc number indication (1 to 12)
23 Stereo indication
24 Loudness indication

LCD Screen

In extreme cold, the screen movement may slow down and the screen may darken, but this is normal. The screen will recover when it returns to normal temperature.

The control panel can be detached to prevent theft. When detaching the control panel, store it in the DCP (DETACHABLE CONTROL PANEL) case to prevent scratches.
We recommend taking the DCP with you when leaving the car.

Removing the DCP

1. Hold down PWR button ③ for 1 second or longer to turn off the power.
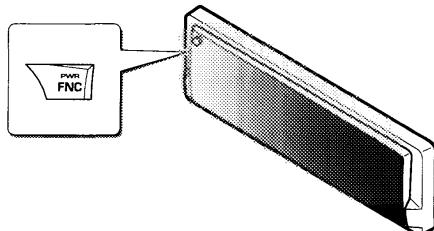
2. Deeply push in OPEN button ① to unlock the flip down panel.
   * If the flip down panel does not open fully, gently open it with your hand.

OPEN button

Flip down panel
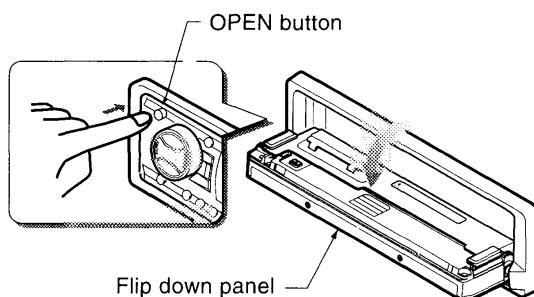
3. Pull the DCP toward you and remove it.

DCP

4. Close the HOLD FLAP.

HOLD FLAP
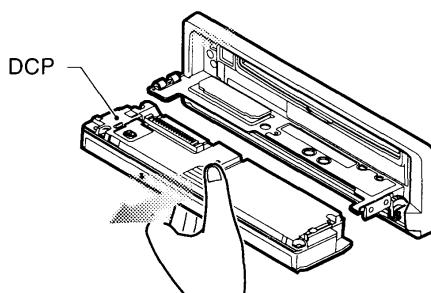
Be sure to close the HOLD FLAP for safety when removing the DCP.
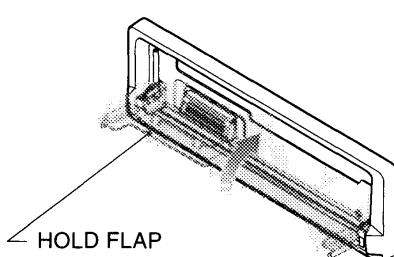
Attaching the DCP

1. Insert the right side of the DCP into the source unit.

2. nsert the left side of the DCP into the source unit.

DCP
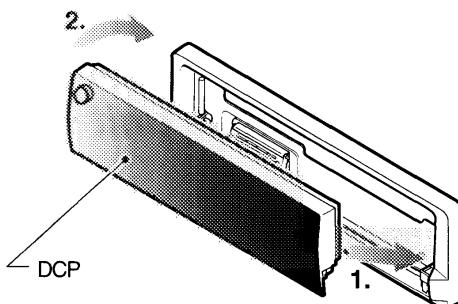
- **The DCP can easily be damaged by shocks. After removing it, be careful not to drop it or subject it to strong shocks.**
- **If the FLIP DOWN PANEL is kept open, the DCP may drop due to vibration of the car.**

  This results in damage to the DCP. So close the FLIP DOWN PANEL or remove the DCP to store into the case.
- **The connector connecting the source unit and the DCP is an extremely important part. Be careful not to damage it by pressing on it with fingernails, screwdrivers, etc.**

Note:
- *f the DCP is dirty, wipe off the dirt with a soft, dry cloth only.*

Receiver for remote control unit

Operating range: 30° in all directions

Signal transmitter

Remote control unit

20
22
24
23
21

▼▲ VOLUME
◄◄ ►► ◄SEARCH

DISC UP
PROG
TOP

26
25
27
28
30

PS/AS   BLS   MONI

29

clarion

Inserting the Batteries

1. Turn the remote control unit over, then slide
    the rear cover in the direction of the arrow.
2. Insert the AA (SUM-3, IECR-6/1.5V) batter-
    ies that came with the remote control unit
    facing in the directions shown in the figure,
    then close the rear cover.

Notes:

Using batteries improperly can cause them to explode.
Take note of the following points:

*   *When replacing batteries, replace both batteries*
    with new ones.
*   *Do not short-circuit, disassemble or heat batteries.*
*   *Do not dispose of batteries into fire or flames.*
*   *Dispose of spent batteries properly.*

AA (SUM-3, IECR-6/1.5V)
Batteries

Rear cover

Rear side
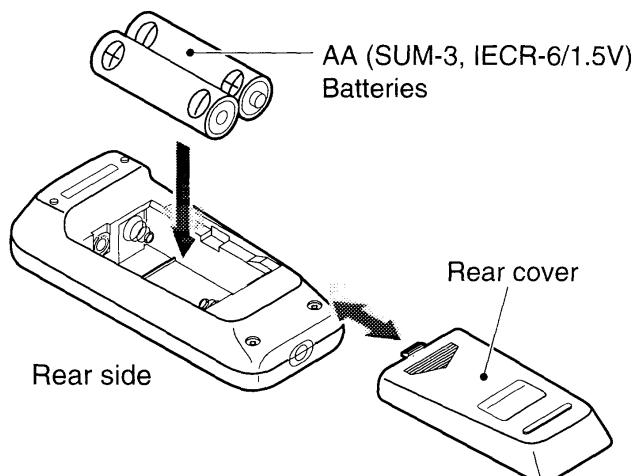
Functions of Remote Control Unit Buttons

Button \ Mode	Radio (DAB)	CD/MP3	CD changer MD changer	TV
20 FUNC	Turns power on and off. When pressed and held for 1 second: Turns power off. Switches among radio, DAB, CD/MP3, CD changer, MD changer and TV.			
21 BAND DISC UP PROG TOP	Switches reception band.	Plays the first track. Top play.	Moves the next disc in increasing order.	Switches reception band.
22 VOLUME	Increases and decreases volume (in all modes).			
23 SEARCH	Moves preset channels up and down.	Moves tracks up and down. When pressed and held for 1 second: Fast-forward/ fast-backward.	Moves tracks up and down. When pressed and held for 1 second: Fast-forward/ fast-backward.	Moves preset channels up and down.
24 PLAY/PAUSE	No function.	Switches between playback and pause.	Switches between playback and pause.	No function.
25 MUTE	Turns mute on and off.			
26 ISR	Recalls ISR radio station in memory. Press and hold for 2 seconds or longer: Stores current station into ISR memory (radio mode only). TA on and off.			
27 DISP	Switches among main display, clock display.			
28 SCN PS/AS	Preset scan. When pressed and held for 2 seconds: Auto store.	Scan play. When pressed and held for 1 second: Folder scan play.	Scan play. When pressed and held for 1 second: Disc scan play.	Preset scan. When pressed and held for 2 seconds: Auto store.
29 RPT BLS	AF function on and off.	Repeat play. When pressed and held for 1 second: Folder repeat play.	Repeat play. When pressed and held for 1 second: Disc repeat play.	No function.
30 RDM MONI	PTY standby mode on and off.	Random play. When pressed and held for 1 second: Folder random play.	Random play. When pressed and held for 1 second: Disc random play.	Switches between TV and VTR.

∗ Some of the corresponding buttons on the main unit and remote control unit have different functions.

English

Basic Operations

Note: *Be sure to read this chapter referring to the front diagrams of chapter "3. CONTROLS" on page 5 (unfold).*

⚠ CAUTION

Be sure to lower the volume before switching off the unit power or the ignition key. The unit remembers its last volume setting. If you switch the power off with the volume up, when you switch the power back on, the sudden loud volume may hurt your hearing and damage the unit.

Turning on/off the power

Note:
• *Be careful about using this unit for a long time without running the engine. If you drain the car's battery too far, you may not be able to start the engine and this can reduce the service life of the battery.*

1. Press PWR button ③.

2. The illumination and display on the unit light up. The unit automatically remembers its last operation mode and will automatically switch to display that mode.

3. Press and hold PWR button ③ for 1 second or longer to turn off the power for the unit.

Note:
• *System check*
The first time this unit is turned on after the wire connections are completed, it must be checked what equipment is connected. When the power is turned on, "SYSTEM CHCK" ↔ "Push Power " appears in the display, so press PWR button ③. The system check starts within the unit. When the system check is complete, the power is turned off, so press PWR button ③ again.

Selecting a mode

1. Press FNC button ③ to change the mode of operation.

2. Each time you press FNC button ③, the mode of operation changes in the following order:

   Radio mode ➜ DAB mode ➜ CD/MP3 mode ➜ DVD DECK mode ➜ CD changer mode ➜ MD changer mode ➜ TV mode ➜ AUX mode ➜ Radio mode...

   * External equipment not connected with CeNET is not displayed.

Adjusting the volume

Turning the Rotary knob ⑮ clockwise increases the volume; turning it counterclockwise decreases the volume.

* The volume level is from 0 (minimum) to 33 (maximum).

Switching the display

Press DISP button ⑪ to select the desired display.

Each time you press DISP button ⑪, the display switches in the following order:

Main display

```
St. NO-TITLE
         FM I 98.10 ᶜᴴ· ㅋ
```

↓

Clock (CT) display

```
PM 8:23
         FM I 98.10 ᶜᴴ· ㅋ
```

↓
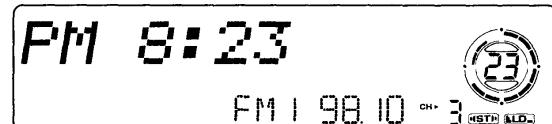
Main display...

* Once selected, the preferred display becomes the display default. When a function adjustment such as volume is made, the screen will momentarily switch to that function's display, then revert back to the preferred display several seconds after the adjustment.

* When you have entered a title in a CD/MD, it appears in the sub display. If you have not entered a title, "Ⓓ NO-TITLE" or "Ⓣ NO-TITLE" appears in the title display instead. For information on how to enter a title, refer to the subsection "**Entering titles**" in section "**Other Handy Functions**".

Setting the Beat EQ

This unit comes with 5 types of sound tone effects stored in memory. Select the one you prefer.

＊ The factory default setting is "**USER CUSTOM**". Each time you press BEQ button [7], the tone effect changes in the following order:

"**1 BASS BOOST**" ➔ "**2 IMPACT**" ➔ "**3 EXCITE**" ➔ "**USER CUSTOM**" ➔ "**TONE BYPASS**" ...

- 1 BASS BOOST : bass emphasized
- 2 IMPACT : bass and treble emphasized
- 3 EXCITE : bass and treble emphasiaed mid de emphasised
- USER CUSTOM : user custom
- TONE BYPASS : no sound effect

Adjusting the tone

Press A-M button [12] and select the item to adjust. Each time you press A-M button [12], the item changes in the following order:

- ● **When the BEQ (BASS BOOST, IMPACT, EXCITE) is set**

  "**NON-FAD VOL**" ➔ "**BASS BOOST**"(IMPACT, EXCITE) ➔ "**BALANCE**" ➔ "**FADER**" ➔ Function mode...

- ● **When the BEQ (USER CUSTOM) is set**

  "**NON-FAD VOL**" ➔ "**BASS**" ➔ "**MID**" "**TREBLE**" ➔ "**BALANCE**" ➔ "**FADER**" ➔ Function mode...

- ● **When the , BEQ is off**

  "**NON-FAD VOL**" ➔ "**BALANCE**" ➔ "**FADER**" ➔ Function mode...

＊ Pressing the BEQ button [7] for 1 second or longer while in "**USER-CUSTOM**" sets flat, and displays a "**BEQ FLAT**" message.

Note:

- *When the separately-sold digital sound processor (DPH910) is used, the bass and treble tone adjustments cannot be selected. To adjust the tone, refer to the section "DSP Operations".*

Adjusting the non fader output volume

You can adjust the volume output from the unit's non fader output terminal.

1. Press A-M button [12] and select "**NON-FAD VOL**".
2. Turning the Rotary knob [15] clockwise increases the output volume; turning it counterclockwise decreases the output volume.

   ＊ The factory default setting is "**0**". (Setting range: –6 to 6)

3. When the adjustment is complete, press A-M button [12] several times until the function mode is reached.

Adjusting the bass

The bass gain, bass F (center frequency) and bass Q can be adjusted as follows.

1. Press the A-M button [12] and select "**BASS ◀GAIN▶**".
2. Press the SEARCH button [13] and select from "**BASS ◀GAIN▶**" ➔ "**BASS ◀F 50▶**" ➔ "**BASS ◀Q 1▶**" ➔ "**BASS ◀GAIN▶**".
3. Turn the Rotary knob [15] clockwise or counterclockwise as needed and adjust the gain, the F (center frequency) and the Q.

   BASS GAIN : –6 to 8 (The factory default setting is "**0**")

   BASS F : 50Hz/80Hz/120Hz (The factory default setting is "**50**")

   BASS Q : 1/1.25/1.5/2 (The factory default setting is "**1**")

4. When the adjustment is complete, press A-M button [12] several times until the function mode is reached.

Adjusting the MID

The MID gain, MID F (center frequency) and MID Q can be adjusted as follows.

1. Press the A-M button [12] and select MID GAIN.
2. Press the SEARCH button [13] and select from "**MID ◀GAIN▶**" ➔ "**MID ◀F 1k▶**" ➔ "**MID ◀Q 2▶**" ➔ "**MID ◀GAIN▶**".
3. Turn the Rotary knob [15] clockwise or counterclockwise as needed and adjust the gain, the F (center frequency) and the Q.

   MID GAIN : –6 to 6 (The factory default setting is "**0**")

   MID F : 700Hz/1KHz/2KHz (The factory default setting is "**1k**")

   MID Q : 1.5/2 (The factory default setting is "**2**")

4. When the adfustment is complete, press A-M [12] button several times until the function mode is reached.

Adjusting the TREBLE

The treble gain and treble F (center frequency) can be adjusted as follows.

1. Press the A-M button [12] and select "**TREB GAIN**".

2. Press the SEARCH button 13 and select from **"TREB ◀GAIN ▶"** ➔ **"TREB ◀F 12K▶"** ➔ **"TREB ◀GAIN ▶"**.

3. Turn the Rotary knob 15 clockwise or counterclockwise as needed and adjust the gain and the F (center frequency).

   TREB GAIN : −6 to 6 (The factory default setting is "0")

   TREB F : 8KHz/12KHz (The Factory default setting is "12K")

4. When the adjustment is complete, press A-M button 12 several times until the function mode is reached.

Adjusting the balance

1. Press A-M button 12 and select **"BALANCE"**.

2. Turning the Rotary knob 15 clockwise emphasizes the sound from the right speaker; turning it counterclockwise emphasizes the sound from the left speaker.

   * The factory default setting is "0". (Adjustment range: L13 to R13)

3. When the adjustment is complete, press A-M button 12 several times until the function mode is reached.

Adjusting the fader

1. Press A-M button 12 and select **"FADER"**.

2. Turning the Rotary knob 15 clockwise emphasizes the sound from the front speakers; turning it counterclockwise emphasizes the sound from the rear speakers.

   * The factory default setting is "0". (Adjustment range: F12 to R12)

3. When the adjustment is complete, press A-M button 12 several times until the function mode is reached.

Adjusting the Beat EQ

1. Press BEQ button 7 and select the Beat EQ mode (1 to 3) to adjust.

2. Press A-M button 12 and select **"BASS BOOST or IMPACT or EXCITE"**.

3. Turning the Rotary knob 15 clockwise adjusts in the + direction; turning it counterclockwise adjusts in the − direction.

   * When BASS BOOST is selected, you can adjust the bass in the range of −3 to 3.

   * When IMPACT and EXCITE is selected, you can adjust the bass and treble in the range of −3 to 3.

4. When the adjustment is complete, press A-M button 12 several times until the function mode is reached.

Turning on/off the loudness

The loudness effect emphasizes the bass and treble to create a natural sound tone. When you are listening to music at a low volume, it is recommended to use the loudness effect.

1. Press and hold LOUD button 12 for 1 second or longer to turn on the loudness effect. When the loudness effect is turned on, "**LD**" lights in the display.

2. Press and hold LOUD button 12 for 1 second or longer to turn off the loudness effect. "**LD**" goes off in the display.

Note:

• When using a sold separately digital sound processor (DPH910), a feature called auto loudness is selected. This function is different from the loudness effect. For further details on the auto loudness feature, refer to the subsection "**Output adjustment of auto loudness, subwoofer and playback band**" in section "DSP Operations".

Radio Operations

FM Reception

For enhanced FM performance the **MAGI·TUNE+** tuner includes signal actuated stereo control, Enhanced Multi AGC, Impulse noise reduction curcuits and Multipath noise reduction circuits.

Changing the reception area

This unit is initially set to USA frequency intervals of 10 kHz for AM and 200 kHz for FM. When using it outside the USA, the frequency reception range can be switched to the intervals below.

● **Setting the reception area**

1. Press BND button ⑩ and select the desired radio band (FM or AM).

2. While pressing DISP button ⑪, each time you press and hold the number "6" of the Preset buttons ⑧ for 2 seconds or longer, the reception area switches from inside the USA to outside the USA or from outside the USA to inside the USA.

   * Any station preset memories are lost when the reception area is changed.

Listening to the radio

1. Press FNC button ③ and select the radio mode. The frequency is displayed.

2. Press BND button ⑩ and select the radio band. Each time the button is pressed, the radio reception band changes in the following order:

   FM1 ➜ FM2 ➜ FM3 ➜ AM ➜ FM1...

3. Press the right or left side of SEARCH button ⑬ to tune in the desired station.

Tuning

There are 3 types of tuning mode available, seek tuning, manual tuning and preset tuning.

Seek tuning

1. Press BAND button ⑩ and select the desired band. (FM or AM)

   * If "**MANU**" is lit in the display, press and hold BAND button ⑩ for 1 second or longer. "**MANU**" in the display goes off and seek tuning is now available.

2. Press the right or left side of SEARCH button ⑬ to automatically seek a station. When the right side of SEARCH button ⑬ is pressed, the opation is sought in the direction of higher frequencies; if the left side of SEARCH button ⑬ is pressed, the station is sought in the direction of lower frequencies.

Manual tuning

There are 2 ways available: Quick tuning and step tuning.
When you are in the step tuning mode, the frequency changes one step at a time. In quick tuning mode, you can quickly tune the desired frequency.

1. Press BND button ⑩ and select the desired band (FM or AM (MW/LW)).

   * If "**MANU**" is not lit in the display, press and hold BND button ⑩ for 1 second or longer. "**MANU**" is lit in the display and manual tuning is now available.

2. Tune into a station.

● **Quick tuning:**

   Press and hold the right or left side of SEARCH button ⑬ for 1 second or longer to tune in a station.

● **Step tuning:**

   Press the right or left side of SEARCH button ⑬ to manually tune in a station.

Recalling a preset station

A total of 24 preset positions (6-FM1, 6-FM2, 6-FM3, 6-AM) exists to store individual radio stations in memory. Pressing the corresponding preset button ⑧ recalls the stored radio frequency automatically.

1. Press BND button ⑩ and select the desired band (FM or AM (MW/LW)).

2. Press the corresponding Preset button ⑧ to recall the stored station.

   * Press and hold one of Preset buttons ⑧ for 2 seconds or longer to store that station into preset memory.

Manual memory

1. Select the desired station with seek tuning, manual tuning or preset tuning.

2. Press and hold one of Preset buttons ⑧ for 2 seconds or longer to store the current station into preset memory.

Auto store

Auto store is a function for storing up to 6 stations that are automatically tuned in sequentially. If 6 receivable stations cannot be received, a previously stored station remains unoverwritten at the memory position.

1. Press BND button ⑩ and select the desired band (FM or AM (MW/LW)).

2. Press and hold AS button ④ for 2 seconds or longer. The stations with good reception are stored automatically to the preset channels.

   ∗ If auto store is performed in the FM bands, the stations are stored in FM3 even if FM1 or FM2 was chosen for storing stations.

Preset scan

Preset scan receives the stations stored in preset memory in order. This function is useful when searching for a desired station in memory.

1. Press PS button ④.

2. When a desired station is tuned in, press PS button ④ again to continue receiving that station.

Note:

- *Be careful not to press and hold PS button ④ for 2 seconds or longer, otherwise the auto store function is engaged and the unit starts storing stations.*

MP3

What is MP3?

MP3 is an audio compression method and classified into audio layer 3 of MPEG standards. This audio compression method has penetrated into PC users and become a standard format.

This MP3 features the original audio data compression to about 10 percent of its initial size with a high sound quality. This means that about 10 music CDs can be recorded on a CD-R disc or CD-RW disc to allow a long listening time without having to change CDs.

Precautions when creating MP3 disc

When writing an MP3 file on a CD-R disc or CD-RW disc, it is essential that you set the writing software recording format to ISO9660 level 1 or level 2 (without including expansion format).

● **File extensions**

1. Always add a file extension ".**MP3**" or ".**mp3**" to MP3 file by using single byte letters. If you add a file extension other than specified or forget to add the file extension ".**MP3**" or ".**mp3**", the file cannot be played. In addition, if you use upper case and lower case letters (capital and small letters) mixedly for file extensions, normal play may not be possible.

2. Files without MP3 data will not play. The indication "– – : – –" appears in the play time display if you attempt to play files without MP3 data.

● **Logical format (File system)**

1. When writing MP3 file on a CD-R disc or CD-RW disc, please select "ISO9660 level 1 or level 2 (without including expansion format)" as the writing software format. Normal play may not be possible if the disc is recorded on another format.

2. The folder name and file name can be displayed as the title during MP3 play but the title must be within 16 single byte alphabetical letters and numerals (without including an extension). Entering any other letters or the number of letters exceeding 16 may cause an incorrect display.

● **Folder structure**

1. A disc with a folder having more than 8 hierarchical levels will conflict with the ISO9660 and playing will be impossible.

● **Number of files or folders**

1. A total of 255 files and folders are allowed.

(However, the maximum number of folders must be within 150.) When the number of files and folders is more than 256, playing of tracks in excess of that number is impossible.

2. Tracks are played in the order that they were recorded onto a disc. (Tracks might not always be played in the order displayed on the PC.)

3. Some noise may occur depending on the type of encoder software used while recording.

Some tips concerning making MP3 folders

MP3 folder can be made at hierarchical level 1 to 8 but making a folder as shown below will make it easy to manage tracks you recorded.

Root folder

Set under artist name

Set under album name

Set under track title (MP3 file)

(Hierarchical level 1)   (Hierarchical level 2)   (Hierarchical level 3)
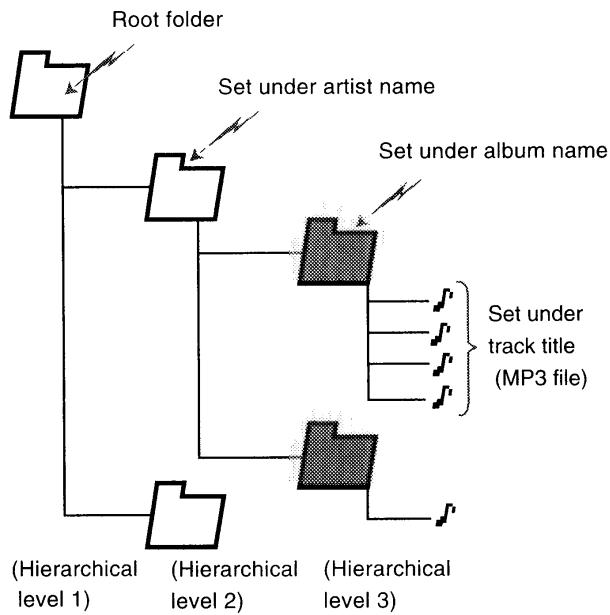
Multisession function

When a disc contains both ordinary CD type tracks and MP3 type tracks mixedly, you can select which type of the recorded tracks to play.

● Default value is **"CD"**.

Each time you press and hold the BND button [10] for about 1 second, the mixed mode is switched between CD type or MP3 type. The following indication appears in the title display when switching the track type to be played.

● **Display when CD type track is selected:**

M-SESS CD

↕

● **Display when MP3 type track is selected:**

M-SESS MP3

1. Types of recording that can be played are as follows.

Disc \ Setting	Set to CD	Set to MP3
Mixed with CD and MP3 type tracks	Play CD	Play MP3
CD type track only	Play CD	Play CD
MP3 type track only	Play MP3	Play MP3

2. After making these settings, remove the disc and then reinsert it.

3. When a mixed mode CD is loaded and CD is set, the track to be played first is MP3 file data and no sound is heard.

Disc-In-Play function

As long as the ignition key is turned to the ON or ACC position, this function allows you to turn the power to the unit and start playing the disc automatically when the disc is inserted even if the power is not turned on.

⚠ CAUTION

● **Do not try to put your hand or fingers in the disc insertion slot. Also never insert foreign objects into the slot.**

● **Do not insert discs where adhesive comes out from cellophane tape or a rental CD label, or discs with marks where cellophane tape or rental CD labels were removed. It may be impossible to extract these discs from the unit and they may cause the unit to break down.**

Note:
● *If a disc cannot be inserted into the disc insertion slot smoothly, there is another disc already loaded or the unit may need repairing.*

1. Press the OPEN button [1] to open the FLIP DOWN PANEL.

2. Insert a disc into the insertion slot. The indication "**FILE READ**" appears in the title display. If the inserted disc is an MP3 disc, the indication "**MP3 PLAY**" appears and the disc starts playing.

Notes:
● *Only CDs and CD-ROMs having the* ⬡disc⬡ *mark can be used in this unit.*
● *Discs recorded with CD-R or CD-RW may sometimes be unusable with this unit.*

3" (8 cm) single CDs

* Do not use an adapter when playing 3" single CDs.

* Insert a 3" single CD from the center of the disc insertion slot.

3. Close the FLIP DOWN PANEL.

Backup Eject function

Just pressing the Eject button ⑰ ejects the disc even if the power to the unit was not turned on.

1. Press the OPEN button ① to open the FLIP DOWN PANEL.

Note:
• *If the FLIP DOWN PANEL will not open far enough, open it gently with your hand.*

2. Press the Eject button ⑰. Remove the disc after it is ejected.

3. Close the FLIP DOWN PANEL.

Note:
• *Always close the FLIP DOWN PANEL once you take out the disc.*

Listening to a disc already loaded in the unit

Press the FNC button ③ to select the CD/MP3 mode.

When the unit enters the CD/MP3 mode, play starts automatically.

If there is no disc loaded, the indication "***NO DISC***" appears in the title display.

* The mode changes each time the FNC button ③ is pressed. (Modes are not displayed for equipment that is not connected.)

Radio(DAB) ⟶ **CD/MP3** ⟶ **(DVD deck)**
⟶ **(CD changer)**
⟶ **(MD changer)**
AUX ⟵ **(TV)** ⟵
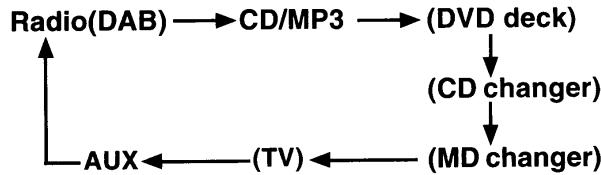
Selecting a track

1. To play the next track, press the right side (▶▶) of the SEARCH button ⑬.

   If you press the right side (▶▶), the next track is played. The track to be played advances ahead to the extent of the number of presses on the button.

2. To play the previous track, press the left side (◀◀) of the SEARCH button ⑬ twice.

   Pressing the left side (◀◀) plays the track currently being played from the beginning.

   If the button is pressed further, the track to be played moves back to the extent of the number of presses on the button.

   * Pressing the left side (◀◀) of the SEARCH button ⑬ twice while the beginning of the track is being played may move back the track to be played to the second track.

Fast-forward/fast backward

1. Press and hold the right side (▶▶) of the SEARCH button ⑬ to fast-forward the disc.

2. Press and hold the left side (◀◀) of the SEARCH button ⑬ to fast-backward the disc.

   * When using MP3 discs, the play time is not displayed during search or after canceling search until the next track starts playing. Also, Fast-forward or fast-backward from one track to another is disabled during the search function.

Pause

1. Press the Play/Pause button ⑭.

   The indication "***PAUSE***" appears in the title display and play stops.

2. To continue playing the track, press the Play/Pause button again.

Top Function

This function allows you to start playing from the first track on the disc being played.

Note:
• *This function only works when playing an ordinary CD and is not available on MP3 discs.*

Press the BND button ⑩. Play starts from the first track (Track number 1).

Direct Select Mode

This function allows you to select a folder containing MP3 files and start playing from the first track in the folder.

1. Press number 2 or 5 of Direct button 8.

   Pressing number 2 shifts to the previous folder. Pressing number 5 moves to the next folder.
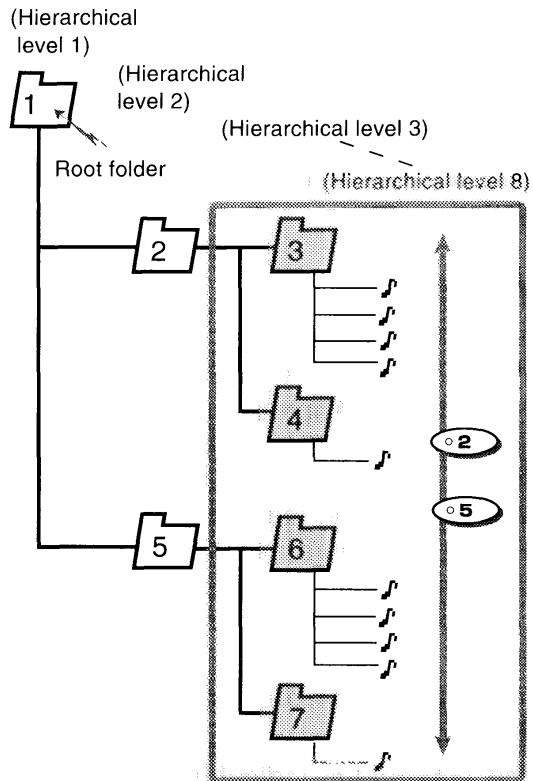
   * Press number 5 of the Direct button 8 while in the final folder to shift to the first folder.
   * Folder without an MP3 file is not selectable.

2. To select a track, press the left side (◀◀) or right side (▶▶) of the SEARCH button 13.

Folder Select Mode

This function allows you to select a folder while checking the folder names.

1. Press the BND button 10.

   When the unit enters the MP3 folder select mode, the indication "**FOLDER SEL**" appears for about 2 seconds and displays the selected folder name, hierarchical level number, and folder number.
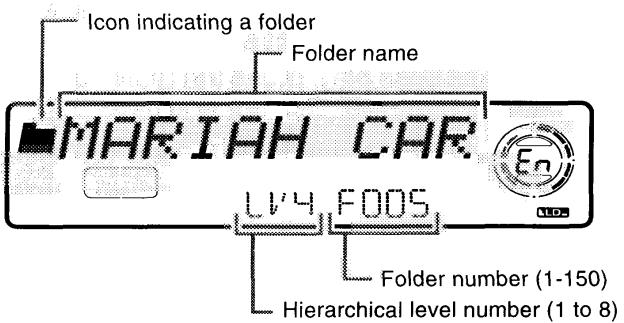
   * The folder icon " ▓ " is displayed when an MP3 file is present.
   * The folder icon " ☐ " is displayed when an MP3 file is absent.
   * The track continues to be playing even during the folder select mode.

2. Press the left side (◀◀) or right side (▶▶) of the SEARCH button 13 to switch to another hierarchical level.

   To move a folder, press number 2 or 5 of the Direct button 8.

   * You cannot directly move from folder 4 to folder 6 while in the folder select mode.

3. Press the Play/Pause button 14 to play the track in the selected folder.

   The first track in the selected folder is played with the indication "**SELECTED**" in the title display.

4. Press and hold the BND button 10 for about 1 second to shift to the highest hierarchical level folder (Root folder).

5. Press the BND button 10 again to cancel the folder select mode.

   * When the folder select mode is canceled by pressing the BND button 10, the holder switching operation performed in step 2 is canceled and the previously selected folder is resumed.

Scan play

This function allows you to locate and play the first 10 seconds of all the tracks recorded on a disc.

1. Press the SCN button 4 to perform scan play. The indication "**SCN**" lights up in the display, and "*Tr-SCAN*" (or "*♪-SCAN*" when searching for a track in the MP3 file) appears in the title display for about 2 seconds, then scan play starts.

   * Scan play starts from the next track after the track currently being played.

2. To cancel scan play, press the SCN button 4 again.

   The play status indication such as "**SCN**" disappears from the display and the current track is played.

Folder scan play

This function allows you to locate and play the first 10 seconds of the first track of all the folders on an MP3 disc.

1. Press and hold the SCN button 4 for about 1 second to perform folder scan play.

   The indications "**DISC**" and "**SCN**" light up in the display and "*▩-SCAN*" appears for about 2 seconds in the title display, and then folder scan play starts.

   * Folder scan play starts from the next track after the track currently being played.

2. To cancel folder scan play, press the SCN button 4 again.

   The play status indications such as "**DISC**" and "**SCN**" disappear from the display and the current track is played.

Repeat play

This function allows you to play the current track repeatedly.

1. Press the RPT button 5 to perform repeat play. The indication "**RPT**" lights up in the display and "*Tr-REPEAT*" (or "*♪-REPEAT*" when performing repeated play for a track in the MP3 file) appears for about 2 seconds in the title display, and then repeat play starts.

2. To cancel repeat play, press the RPT button 5 again.

   The play status display such as "**RPT**" disappears from the display and normal play resumes from the track currently being played.

Folder repeat play

This function allows you to play a track currently being played in the MP3 folder repeatedly.

1. Press and hold the RPT button 5 for about 1 second to perform folder repeat play.

   The indications "**DISC**" and "**RPT**" light up in the display and "*▩-REPEAT*" appears for about 2 seconds in the title display, and then folder repeat play starts.

2. To cancel folder repeat play, press the RPT button 5 again.

   The play status indications such "**DISC**" and "**RPT**" disappear from the display and normal play resumes from the track currently being played.

Random play

This function allows you to play all tracks recorded on a disc in a random order.

1. Press the RDM button 6 to perform random play. The indication "**RDM**" lights up in the display and "*Tr-RANDOM*" (or "*♪-RANDOM*" when performing random play for tracks on a MP3 disc) appears in the title display for about 2 seconds, and then random play starts. The tracks on the disc are then played in a random order.

2. To cancel random play, press the RDM button 6 again.

   The play status indication such as "**RDM**" disappears from the display and normal play resumes from the track currently being played.

Folder random play

This function allows you to play all the tracks of all the folders recorded on an MP3 disc in a random order.

1. Press and hold the RDM button 6 for about 1 second to perform folder random play. The indications "**DISC**" and "**RDM**" light up in the display and "*▩-RANDOM*" appear in the title display for about 2 seconds, and then folder random play starts.

2. To cancel folder random play, press the RDM button 6 again.

   The play status indications such as "**DISC**" and "**RDM**" disappear from the display and normal play resumes from the track currently being played.

Other Handy Functions

Entering titles

Titles up to 10 characters long can be stored in memory and displayed for TV stations. The numbers of titles that can be entered for each mode are as follows.

Mode	Number of titles
TV mode	15 titles

CD changer mode	Number of titles
CDC655z connected	60 titles
CDC655Tz connected	100 titles
CDC1255z connected	50 titles

1. Press FNC button [3] to select the mode you want to enter a title (CD changer or TV).
2. Select and play a CD in the CD changer or tune in to a TV station for which you want to enter the title.
3. Press DISP button [11] and display the main.
4. Press TITLE button [2]. "**TTL**" appears in the display and the cursor position flashes.
5. Press the right or left side of SEARCH button [13] to move the cursor.
6. Press DISP button [11] to select a character. Each time you press DISP button [11], the character changes in the following order:

   Capital letters ➜ Small letters ➜ Numbers and Symbols ➜ Umlaut ➜ Capital letters...

7. Turn the Rotary knob [15] to select the desired character. Turning the Rotary knob [15] clockwise moves the cursor to the next character; turning it counterclockwise moves the cursor to the previous character.
8. Repeat steps 5 to 7 to enter up to 10 characters for the title.
9. Press and hold ENT button [14] for 2 seconds or longer to store the title into memory and cancel title input mode.

Clearing titles

1. Select and play a CD in the CD changer or tune in to a TV station for which you want to clear the title.
2. Press DISP button [11] and display the main.
3. Press TITLE button [2]. "**TTL**" appears in the display and the display switches to title input display.
4. Press BND button [10].
5. Press and hold ENT button [14] for 2 seconds or longer to clear the title and cancel title input mode.

Adjusting the display contrast

You can adjust the display contrast to match the angle of installation of the unit.

* The factory default setting is "**8**". (Adjustment level: 1 to 18)

1. Press and hold ADJ button [2] for 1 second or longer to switch to the adjustment selection display.
2. Press the right or left side of SEARCH button [13] to select "**CONTRAST**".
3. Turn the Rotary knob [15] clockwise or counterclockwise to adjust the contrast.
4. Press ADJ button [2] to return to the previous mode.

Adjusting the dimmer level

You can adjust the reduced illumination level of the dimmer.

* The factory default setting is "**3**".
* To use the dimmer, set the dimmer setting to 1 to 5.

1. Press and hold ADJ button [2] for 1 second or longer to switch to the adjustment selection display.
2. Press the right or left side of SEARCH button [13] to select "**DIMMER LV**".
3. Turn the Rotary knob [15] clockwise or counterclockwise to adjust the reduced illumination level of the dimmer.

   ● **1 to 5:**

   The dimmer operation is performed depending on the set level 1 to 5.

   ● **OFF:**

   No dimmer operation is performed.
4. Press ADJ button [2] to return to the previous mode.

Message display

When the unit is powered on or off, a message is displayed. The user can turn this message display ON or OFF.

* The factory default setting is "**ON**".

1. Press and hold ADJ button [2] for 1 second or longer to switch to the adjustment selection display.
2. Press the right or left side of SEARCH button [13] to select "**MESSAGE**".
3. Turn the Rotary knob [15] clockwise or counterclockwise to set message display ON or OFF.
4. Press ADJ button [2] to return to the previous mode.

Turning the external output adjustment display on/off

When not using the external output, you can put out the "**NON-FADER**" display.

* The factory default setting is "**ON**".
* Even if the level adjustment display is set to "**OFF**", signals can be output from the external output.

1. Press and hold ADJ button [2] for 1 second or longer to switch to the adjustment selection display.
2. Press the right or left side of SEARCH button [13] to select "**NON-FADER**".
3. Turn the Rotary knob [15] clockwise to set "**ON**" or counterclockwise to set "**OFF**".

   ● **ON:**

   When you press A-M button [12], the "**NON-FAD VOL**" item is displayed.

   * The output level can be adjusted.

   ● **OFF:**

   Even when you press A-M button [12], the "**NON-FAD VOL**" item is not displayed.

   * The output level cannot be adjusted.

4. Press ADJ button [2] to return to the previous mode.

AUX function

This system has an external input jack so you can listen to sounds and music from external devices when connected to this unit.

Selecting AUX IN sensitivity

Make the following settings to select the sensitivity when sounds from external devices connected to this unit are difficult to hear even after adjusting the volume.

1. Press and hold the ADJ button [2] for 1 second or longer to set Adjust mode.
2. Press the SEARCH button [13] and select "**AUX SENS**".
3. Turn the Rotary knob [15] clockwise or counterclockwise as needed and select from "**SENS HIGH**", "**SENS MID**" or "**SENS LOW**".

   * The factory default setting is "**SENS MID**".

4. Press ADJ button [2] to return the previous mode.

Setting the button illumination

* The factory default setting is "**ILLM GREEN**".

1. Press and hold the ADJ button [2] for 1 second or longer to set Adjust mode.
2. Press the SEARCH button [13] and select "**KEY ILLUMI**".
3. Turn the Rotary knob [15] clockwise or counterclockwise as needed and select from "**ILLM GREEN**" and "**ILLM RED**".
4. Press ADJ button [2] to return the previous mode.

Setting the method for Ttitle scroll

Set how to scroll in CD-TEXT or MD.

* The factory default setting is "**ON**".

1. Press and hold the ADJ button [2] for 1 second or longer to set Adjust mode.
2. Press the SEARCH button [13] and select "**AUTO SCROLL**".
3. Turn the Rotary knob [15] clockwise or counterclockwise and select "**ON**" or "**OFF**".

   ● **ON:**

   To scroll automatically.

   ● **OFF:**

   To scroll just 1 time when the title was changed or the title key was pressed.

4. Press ADJ button [2] to return the previous mode.

Switching the screen saver

* The factory default setting is "**RANDOM**".

1. Press and hold the ADJ button [2] for 1 second or longer to set Adjust mode.
2. Press the SEARCH button [13] and select "**AUTO SS**".
3. Turn the Rotary knob [15] clockwise or counterclockwise as needed to switch to "**SS OFF**" "**SS Ptn1**" ↔ "**SS Ptn2**" ↔ "**SS Ptn3**" ↔ "**SS RANDOM**" ↔ "**SS OFF**"
4. Press ADJ button [2] to return the previous mode.

Setteng the clock

1. Press and hold the ADJ button [2] for 1 second or longer to set Adjust mode.
2. Press the SEARCH button [13] and select "**CLOCK**".
3. Press ENT button [14] .
4. Press the SEARCH button [13] to select the hour or the minute.
5. Turn the Rotaly knob [15] clockwise or counterclockwise to set the correct time.

* The clock is displayed in 12-hour format.

6. Press ENT button [14] to store the time into memory.
7. Press ADJ button [2] to return the previous mode.

Note:
* *You cannot set the clock when it is displayed with only the ignition on. If you drain or remove the car's battery or take out this unit, the clock is reset. While setting the clock, if another button or operation is selected, the clock set mode is canceled.*

CD Changer Operations

CD changer functions

When an optional CD changer is connected through the CeNET cable, this unit controls all CD changer functions. This unit can control a total of 2 changers (MD and/or CD).

Press FNC button ③ and select the CD changer mode to start play. If 2 CD changers are connected, press FNC button ③ to select the CD changer for play.

* If "**NO MAGAZINE**" appears in the display, insert the magazine into the CD changer. "**DISC CHECK**" appears in the display while the player loads (checks) the magazine.

* If "**NO DISC**" appears in the display, eject the magazine and insert discs into each slot. Then, reinsert the magazine back into the CD changer.

⚠ CAUTION

CD-ROM discs and CD-R discs cannot be played in the CD changer.

Pausing play

1. Press Play/pause button ⑭ to pause play. "**PAUSE**" appears in the display.

2. To resume play, press Play/pause button ⑭ again.

Displaying CD titles

This unit can display title data for CD-text CDs and user titles input with this unit.

1. Press DISP button ⑪ to display the title.

2. Each time you press and hold DISP button ⑪ for 1 second or longer, the title display changes in the following order:

   User title (disc) → CD-text title (disc) → Artist name → CD-text title (track) → user title (disc)...

Note:

• If the CD playing is not a CD-text CD or no user title has been input, "**NO-TITLE**" appears in the display.

Procedure to scroll a title

Set "**AUTO SCROLL**" to "**ON**" or "**OFF**". (The factory default setting is "**ON**". See p.20.)

● **When set to "ON"**

The title is automatically kept scrolling.

● **When set to "OFF"**

Press the TITLE button ② to scroll the title.

Selecting a CD

Each Direct button ⑧ corresponds to a disc loaded into the magazine.

● **Selecting a disc from 1 to 6**

Press the corresponding Direct button ⑧ (1 to 6) to select the desired disc.

● **Selecting a disc from 7 to 12 (only when a 12 disc CD changer is used.)**

Press and hold Direct button ⑧ (7 to 12) for 1 second or longer to select the desired disc.

* If a CD is not loaded in a slot of magazine, pressing Direct button ⑧ corresponding to its disc number is invalid.

Selecting a track

● **Track-up**

1. Press the right side of SEARCH button ⑭ to move ahead to the beginning of the next track.

2. Each time you press the right side of SEARCH button ⑬, the track advances ahead to the beginning of the next track.

● **Track-down**

1. Press the left side of SEARCH button ⑬ to move back to the beginning of the current track.

2. Press the left side of SEARCH button ⑬ twice to move to the beginning of the previous track.

Fast-forward/fast-backward

● **Fast-forward**

Press and hold the right side of SEARCH button ⑬ for 1 second or longer.

● **Fast-backward**

Press and hold the left side of SEARCH button ⑬ for 1 second or longer.

English

Top function

The top function plays from the first track (track No. 1) of the disc.

● **When playing a disc 1 to 6**

Press Direct button ⑧ (1 to 6) with the same number as the CD playing.

● **When playing a disc 7 to 12 (only when a 12 disc CD changer is used.)**

Press and hold for 1 second or longer Direct button ⑧ (7 to 12) with the same number as the CD playing.

* If a CD is not loaded in a slot of magazine, pressing Direct button ⑧ corresponding to its disc number is invalid.

Scan play

The scan play locates and plays the first 10 seconds of each track on a disc automatically. This function continues on the disc until it is cancelled.

* The scan play is useful when you want to select a desired track.

1. Press SCN button ④ to start track scanning. "**SCN**" lights in the display.

2. To cancel the scan play, press SCN button ④ again. "**SCN**" goes off from the display and the current track continues to play.

Disc scan play

The disc scan play locates and plays the first 10 seconds of the first track on each disc in the currently selected CD changer. This function continues automatically until it is cancelled.

* The disc scan play is useful when you want to select a desired CD.

1. Press and hold SCN button ④ for 1 second or longer. "**DISC**" and "**SCN**" light in the display and the disc scan play starts.

2. To cancel the disc scan play, press SCN button ④ again. "**DISC**" and "**SCN**" go off from the display and the current track continues to play.

Repeat play

The repeat play continuously plays the current track. This function continues automatically until it is cancelled.

1. Press RPT button ⑤. "**RPT**" lights in the display and the current track is repeated.

2. To cancel the repeat play, press RPT button ⑤ again. "**RPT**" goes off from the display and normal play resumes.

Disc repeat play

After all the tracks on the current disc have been played, the disc repeat play automatically replays the current disc over from the first track. This function continues automatically until it is cancelled.

1. Press and hold RPT button ⑤ for 1 second or longer. "**DISC**" and "**RPT**" light in the display and the disc repeat play starts.

2. To cancel the disc repeat play, press and hold RPT button ⑤ again. "**DISC**" and "**RPT**" go off from the display and normal play resumes on the current track.

Random play

The random play selects and plays individual tracks on the disc in no particular order. This function continues automatically until it is cancelled.

1. Press RDM button ⑥. "**RDM**" lights in the display and the random play begins.

2. To cancel the random play, press RDM button ⑥ again. "**RDM**" goes off from the display and normal play resumes.

Disc random play

The disc random play selects and plays individual tracks or discs automatically in no particular order. This function continues automatically until it is cancelled.

1. Press and hold RDM button ⑥ for 1 second or longer. "**DISC**" and "**RDM**" light in the display and the disc random play starts.

2. To cancel the disc random play, press and hold RDM button ⑥ again. "**DISC**" and "**RDM**" go off from the display and normal play resumes from the current track.

MD Changer Operations

MD changer functions

When an optional MD changer is connected through the CeNET cable, this unit controls all MD changer functions. This unit can control a total of 2 changers (MD and/or CD).

Press FNC button ③ and select the MD changer mode to start play. If 2 MD changers are connected, press FNC button ③ to select the MD changer for play.

∗ If "**NO DISC**" appears in the display, load MDs into the MD changer.

Pausing play

1. Press Play/pause button ⑭ to pause play. "**PAUSE**" appears in the display.
2. To resume play, press Play/pause button ⑭ again.

Switching disc titles and track titles

This unit can display disc titles and track titles already entered on MDs. Titles up to 128 characters long can be displayed by scrolling the titles.

∗ Titles cannot be entered for MDs with this unit.

1. Press DISP button ⑪ to display the title. The disc title or track title is displayed.
2. Each time you press and hold DISP button ⑪ for 1 second or longer, the display toggles between the disc title and the track title.

Procedure to scroll a title

Set "**AUTO SCROLL**" to "**ON**" or "**OFF**". (The factory default setting is "**ON**". See p.20.)

● **When set to "ON"**

The title is automatically kept scrolling.

● **When set to "OFF"**

Press the TITLE button ② to scroll the title.

Selecting an MD

Each Direct button ⑧ corresponds to an MD loaded into the MD changer. Press the corresponding Direct button ⑧ (1 to 6) to select the desired disc.

∗ If an MD is not loaded in a slot of MD changer, pressing Direct button ⑧ corresponding to its disc number is invalid.

Selecting a track

● **Track-up**

1. Press the right side of SEARCH button ⑬ to move ahead to the beginning of the next track.
2. Each time you press the right side of SEARCH button ⑬, the track advances ahead to the beginning of the next track.

● **Track-down**

1. Press the left side of SEARCH button ⑬ to move back to the beginning of the current track.
2. Press the left side of SEARCH button ⑬ twice to move to the beginning of the previous track.

Fast-forward/fast-backward

● **Fast-forward**

Press and hold the right side of SEARCH button ⑬ for 1 second or longer.

● **Fast-backward**

Press and hold the left side of SEARCH button ⑬ for 1 second or longer.

Top function

The top function plays from the first track (track No. 1) of the disc. Press Direct button ⑧ (1 to 6) with the same number as the MD playing.

∗ If an MD is not loaded in a slot of MD changer, pressing Direct button ⑧ corresponding to its disc number is invalid.

Scan play

The scan play locates and plays the first 10 seconds of each track on a disc automatically. This function continues on the disc until it is cancelled.

∗ The scan play is useful when you want to select a desired track.

1. Press SCN button ④ to start track scanning. "**SCN**" lights in the display.
2. To cancel the scan play, press SCN button ④ again. "**SCN**" goes off from the display and the current track continues to play.

Disc scan play

The disc scan play locates and plays the first 10 seconds of the first track on each disc in the currently selected MD changer. This function continues automatically until it is cancelled.

∗ The disc scan play is useful when you want to select a desired MD.

1. Press and hold SCN button ④ for 1 second or longer. "**DISC**" and "**SCN**" light in the display and the disc scan play starts.

2. To cancel the disc scan play, press and hold SCN button 4 again. "**DISC**" and "**SCN**" go off from the display and the current track continues to play.

Repeat play

The repeat play continuously plays the current track. This function continues automatically until it is cancelled.

1. Press RPT button 5. "**RPT**" lights in the display and the current track is repeated.

2. To cancel the repeat play, press RPT button 5 again. "**RPT**" goes off from the display and normal play resumes.

Disc repeat play

After all the tracks on the current disc have been played, the disc repeat play automatically replays the current disc over from the first track. This function continues automatically until it is cancelled.

1. Press and hold RPT button 5 for 1 second or longer. "**DISC**" and "**RPT**" light in the display and the disc repeat play starts.

2. To cancel the disc repeat play, press and hold RPT button 5 again. "**DISC**" and "**RPT**" go off from the display and normal play resumes on the current track.

Random play

The random play selects and plays individual tracks on the disc in no particular order. This function continues automatically until it is cancelled.

1. Press RDM button 6. "**RDM**" lights in the display and the random play begins.

2. To cancel the random play, press RDM button 6 again. "**RDM**" goes off from the display and normal play resumes.

Disc random play

The disc random play selects and plays individual tracks or discs automatically in no particular order. This function continues automatically until it is cancelled.

1. Press and hold RDM button 6 for 1 second or longer. "**DISC**" and "**RDM**" light in the display and the disc random play starts.

2. To cancel the disc random play, press and hold RDM button 6 again. "**DISC**" and "**RDM**" go off from the display and normal play resumes from the current track.

TV Operations

TV tuner functions

When an optional TV tuner is connected through the CeNET cable, this unit controls all TV tuner functions. To watch TV requires a TV tuner and monitor.

Watching a TV

1. Press FNC button 3 and select the TV mode.

2. Press BND button 10 to select the desired TV band (TV1 or TV2). Each time the button is pressed, the input selection toggles between TV1 and TV2.

3. Press the right or left side of SEARCH button 13 to tune in the desired TV station.

Watching a video

The TV tuner has a VTR input terminal to which 1 external device can be connected. Connect a 12 V video cassette player (VCP) or video cassette recorder (VCR) to the TV tuner input terminal.

1. Press RDM button 6 to select VTR.

2. To return to the TV broadcast, press RDM button 6.

Tuning

There are 3 types of tuning mode available, Seek tuning, manual tuning and preset tuning.

Seek tuning

1. Press BND button 10 and select the desired TV band (TV1 or TV2).

    * If "**MANU**" is lit in the display, press and hold BND button 10 for 1 second or longer. "**MANU**" in the display goes off and seek tuning is now available.

2. Press the right or left side of SEARCH button 13 to automatically seek a station. Press the right side of SEARCH button 13 to automatically tune up the frequency band to the next available TV station; press the left side to automatically tune down.

Manual tuning

There are 2 ways available: Quick tuning and step tuning.

When you are in the step tuning mode, the frequency changes one step at a time. In quick tuning mode, you can quickly tune the desired frequency.

1. Press BND button ⑩ and select the desired band (TV1 or TV2).

   * If "**MANU**" is not lit in the display, press and hold BND button ⑩ for 1 second or longer. "**MANU**" lights in the display and manual tuning is now available.

2. Tune into a station.

● **Quick tuning:**

Press and hold the right or left side of SEARCH button ⑬ for 1 second or longer to tune in a station.

● **Step tuning:**

Press the right or left side of SEARCH button ⑬ to manually tune in a station.

Recalling a preset station

A total of 12 TV stations can be stored (6-TV1 and 6-TV2). This allows you to select your favorite TV stations and store them in memory for later recall.

1. Press BND button ⑩ and select the desired TV band (TV1 or TV2).

2. To recall a stored TV station, press the desired Preset button ⑧ to select that station.

   * Press and hold one of Preset buttons ⑧ for 2 seconds or longer to store the current station into the preset memory.

Manual memory

1. Select the desired station with seek tuning, manual tuning or preset tuning.

2. Press and hold one of Preset buttons ⑧ for 2 seconds or longer to store the current station to that preset memory.

Auto store

Auto store selects 6 TV stations automatically and stores each one into a preset memory.

If there are not 6 stations with good reception, stations previously stored in memory remain and only the strong stations are stored into memory.

1. Press BND button ⑩ and select the desired TV band (TV1 or TV2).

2. Press and hold AS button ④ for 2 seconds or longer. The stations with good reception are stored automatically to the preset channels.

Preset scan

Preset scan allows the user to view each preset position before it automatically advances to the next preset. This function is useful for searching for desired TV station in memory.

1. Press PS button ④.

2. When the desired station is found, press PS button ④ again to remain tuned to that station.

Note:

* *Do not press and hold PS button ④ for 2 seconds or longer. Doing so will trigger the auto store function and start storing stations into memory.*

Setting the TV diver

You can change the reception setting for the TV antenna connected to the TV tuner.

1. Press and hold ADJ button ② for 1 second or longer to switch to the adjustment selection display.

2. Press the right or left side of SEARCH button ⑬ to select "**TV DIVER**".

3. Turn the Rotary knob ⑮ clockwise to set to "**ON**" or counterclockwise to set to "**OFF**".

   ● **ON:**

   Sets reception emphasizing the visual.

   ● **OFF:**

   Sets the diver setting to OFF.

4. Press ADJ button ② to return to the previous mode.

DSP Operations

DSP control function

If the DSP (DPH910), sold separately, is connected to this unit using the CeNET cable, all functions of the AC Processor can be controlled.

DSF functions

There are 2 modes available in DPH910, STD mode and professional mode. Choose one of them and adjust the sound field and the sound quality.

* STD mode: Standard mode

● **Functions common to each mode:**

Auto loudness, etc.

● **Standard mode:**

Adjustment using the graphic equalizer function and the DSF function.

● **Professional mode:**

Adjustment using the VSE function and the parametric equalizer function.

* When the STD mode is selected, adjustment for the professional mode cannot be made. On the contrary, when the professional mode is selected, adjustment for the STD mode cannot be made.

* **For details on functions of each mode, refer to the owner's manual supplied with the DPH910.**

* Hereafter the graphic equalizer is referred to as a G.EQ, the space equalizer referred to as VSE and the parametric equalizer referred to as P.EQ.

Operations common to each mode

Output adjustment of auto loudness, subwoofer and playback band

1. Press and hold ADJ button [2] for 1 second or longer to switch to the adjustment selection display.
2. Press the right or left side of SEARCH button [13] to select "**SOUND**".
3. Press ENT button [14].
4. Press the right or left side of SEARCH button [13] to select the adjustment item.

   There are "**A.LD LEVEL**", "**WOOFER OUT**", "**WOOFER LPF**", "**HPF**" and "**TEST TONE**" available for the adjustment items.

   * For details on each adjustment item, refer to the owner's manual supplied with the DPH910.
5. Turn the Rotary knob [15] clockwise or counterclockwise to make the adjustment.
6. Pressing ENT button [14] returns to the adjustment selection display.
7. Press ADJ button [2] to return to the previous mode.

Selecting the easy mode or the professional mode

* The factory default setting is "**STD**".
1. Press and hold ADJ button [2] for 1 second or longer to switch to the adjustment selection display.
2. Press the right or left side of SEARCH button [13] to select "**AC-P SEL**".
3. Turn the Rotary knob [15] clockwise or counterclockwise to set the mode to "**STD**" or "**PRO**".
4. Press ADJ button [2] to return to the previous mode.

Entering titles

You can give a title to the user memory of the DSF, G.EQ, VSE and P.EQ that you have adjusted yourself.

1. Press A-M button [12] to select the adjustment mode in which you want to give a title.
2. Press BND button [10] to select "**USR**". "**USR**" will be displayed in the operation status indication [21].
3. Press one of Preset buttons [8] to select the user memory to which you want to give a title.
4. Press TITLE button [2].
5. Press the right or left side of SEARCH button [13] to move the cursor.
6. Press DISP button [11] to select the character fonts.

   There are capital letters, small letters, numbers, symbols and umlaut available for the character.
7. Turn the Rotary knob [15] clockwise or counterclockwise to select the character you want to input.
8. Repeat steps 5 to 7 to input the title.
9. Press and hold ENT button [14] for 2 seconds or longer to put the title into memory. The title input mode is cancelled.

STD mode/G.EQ operations

Note:

• The adjustment made in standard mode is not reflected in the adjustment in professional mode. On the contrary, the adjustment made in professional mode is not reflected in the adjustment in easy mode.

G.EQ effect ON/OFF

While the "**G.EQ**" indication 🔳 is lit in the display, the G.EQ effect is set to "**ON**".

٭ The factory default setting is "**ON**".

1. Press A-M button 12 and select "**G.EQ**".
2. Press DISP button 11.
3. Press A-M button 12. "**G.EQ**" in the display lit or unlit.

   ٭ When "**G.EQ**" is unlit, the G.EQ effect is set to OFF.

Note:

• If the G.EQ effect is set to OFF, the adjustment made in "**G.EQ operations**" is not reflected in the music source.

Selecting a G.EQ menu

1. Press A-M button 12 and select "**G.EQ**".
2. Press BND button 10 to select "**BASC**" (basic). "**BASC**" is displayed in the operation status indication 🔳 in the display.
3. Press one of Direct buttons 8 and select the desired G.EQ menu.

   ٭ To select the user memory, press BND button 10 to select "**USR**" and press one of Direct buttons 8.

Editing/storing a G.EQ menu (User memory)

1. Select a G.EQ menu which you want to edit on the basis of.
2. Press and hold ADJ button 2 for 1 second or longer.
3. Press the right or left side of SEARCH button 13 to select the frequency to be adjusted. There are 50Hz, 100Hz, 200Hz, 400Hz, 1kHz, 3kHz and 12kHz available for the adjustment frequency.

   ٭ For details on each adjustment item, refer to the owner's manual supplied with the DPH910.

4. Turn the Rotary knob 15 clockwise or counter-clockwise to make the adjustment. The adjustment range is from –6 to 6.
5. Repeat steps 3 to 4 to complete the adjustment and press ADJ button 2.
6. Press and hold one of Direct buttons 8 for 2 seconds or longer to store the edited contents.

   ٭ You can give a title to the user memory. For the inputting method of titles, refer to the subsection "**Entering titles**" in section "**Operations common to each mode**".

STD mode/DSF operations

DSF effect ON/OFF

When the "**DSF**" indication 🔳 is lit in the display, the DSP effect is set to "**ON**".

٭ The factory default setting is "**ON**".

1. Press A-M button 12 and select "**DSF**".
2. Press DISP button 11.
3. Press A-M button 12. "**DSF**" in the display lit or unlit.

   ٭ When "**DSF**" is unlit, the DSF effect is set to OFF.

Note:

• If the DSF effect is set to OFF, the adjustment made in "**DSF operations**" is not reflected in the music source.

Setting the listening position menu

1. Press A-M button 12 and select "**DSF**".
2. Press the right or left side of SEARCH button 13 to set the listening position type.

   There are FULL SEAT, FRONT-R, FRONT-L, FRONT (only front seats), REAR (only rear seats) and PASS available for the listening position types.

   ٭ The factory default setting is "**FULL SEAT**".

Making fine adjustment of the listening position

1. Upon completion of setting the listening position, press ENT button 14.
2. Press the right or left side of SEARCH button 13 to select "**BALANCE**" or "**FADER**". The selected item blinks.
3. Turn the Rotary knob 15 clockwise or counter-clockwise to adjust the balance and the fader.
4. Press ENT button 14 to return to the DSF mode.

Selecting a sound field menu

1. Press A-M button 12 and select "**DSF**". "**DSF**" blinks in the display.
2. Press BND button 10 to select "**BSC1**" (basic-1) or "**BSC2**" (basic-2). "**BSC1**" or "**BSC2**" is displayed in the operation status indication 🔳 in the display.
3. Press one of Direct buttons 8 and select the desired sound field menu.

   ٭ To select the user memory, press BND button 10 to select "**USR**" and press one of Direct buttons 8.

Editing/storing a sound field menu (User memory)

1. Select a sound field menu which you want to edit on the basis of.

2. Press and hold ADJ button [2] for 1 second or longer.

3. Press the right or left side of SEARCH button [13] to select the item to be adjusted.

   There are **"EFFECT"**, **"DELAY"**, **"REAR MIX"**, **"REV.TIME"** or **"ROOM SIZE"** and **"HIGH"** or **"LIVENESS"** available for the items to be adjusted.

   * For details on each adjustment item, refer to the owner's manual supplied with the DPH910.

4. Turn the Rotary knob [15] clockwise or counterclockwise to make the adjustment.

5. Repeat steps 3 to 4 to complete the adjustment and press ADJ button [2].

6. Press and hold one of Direct buttons [8] for 2 seconds or longer to store the edited contents.

   * You can give a title to the user memory. For the inputting method of titles, refer to the subsection **"Entering titles"** in section **"Operations common to each mode"**.

Professional mode/VSE operations

Note:

• *The adjustment made in professional mode is not reflected in the adjustment in standard mode. On the contrary, the adjustment made in standard mode is not reflected in the adjustment in professional mode.*

VSE effect ON/OFF

While the **"VSE"** indication [4] is lit in the display, the VSE effect is set to **"ON"**.

* The factory default setting is **"ON"**.

1. Press A-M button [12] and select **"VSE"**.

2. Press DISP button [11].

3. Press A-M button [12]. **"VSE"** in the display lit or unlit.

   * When **"VSE"** is unlit, the VSE effect is set to OFF.

Note:

• *If the VSE effect is set to OFF, the adjustment made in "VSE operations" is not reflected in the music source.*

Selecting an VSE menu

1. Press A-M button [12] and select **"VSE"**.

2. Press BND button [10] to select **"BASC"** (basic). **"BASC"** is displayed in the operation status indication [21] in the display.

3. Press one of Direct buttons [8] and select the desired VSE menu.

   * To select the user memory, press BND button [10] to select **"USR"** and press one of Direct buttons [8].

Editing/storing an VSE menu (User memory)

1. Select an VSE menu which you want to edit on the basis of.

2. Press and hold ADJ button [2] for 1 second or longer.

3. Press the right or left side of SEARCH button [13] to select the item to be adjusted.

   There are **"DIFFUSE"**, **"CAR WIDTH"** and **"CAR LENG"** available for the items to be adjusted.

   * For details on each adjustment item, refer to the owner's manual supplied with the DPH910.

4. Turn the Rotary knob [15] clockwise or counterclockwise to make the adjustment. The adjustment range is from 1 to 10 for each item.

5. Repeat steps 3 to 4 to complete the adjustment and press ADJ button [2].

6. Press and hold one of Direct buttons [8] for 2 seconds or longer to store the edited contents.

   * You can give a title to the user memory. For the inputting method of titles, refer to the subsection **"Entering titles"** in section **"Operations common to each mode"**.

Professional mode/P.EQ operations

P.EQ effect ON/OFF

While the **"P.EQ"** indication [16] is lit in the display, the P.EQ effect is set to **"ON"**.

* The factory default setting is **"ON"**.

1. Press A-M button [12] and select **"P.EQ"**.

2. Press DISP button [11].

3. Press A-M button [12]. **"P.EQ"** in the display is changed from blinking to lit or unlit.

   * When **"P.EQ"** is unlit, the P.EQ effect is set to OFF.

Note:

• *If the P.EQ effect is set to OFF, the adjustment made in "P.EQ operations" is not reflected in the music source.*

Selecting a P.EQ menu

1. Press A-M button ⑫ and select "**P.EQ**". "**P.EQ**" blinks in the display.

2. Press BND button ⑩ to select "**BASC**" (basic). "**BASC**" is displayed in the operation status indication ㉑ in the display.

3. Press one of Direct buttons ⑧ and select the desired P.EQ menu.

   * To select the user memory, press BND button ⑩ to select "**USR**" and press one of Direct buttons ⑧.

Editing/storing a P.EQ menu (User memory)

1. Select a P.EQ menu which you want to edit on the basis of.

2. Press and hold ADJ button ② for 1 second or longer.

3. Press the right or left side of SEARCH button ⑬ to select the item to be adjusted.

   There are correction channel, correction band, selection of the centre frequency, gain adjustment and selection of the Q-curve available for the items to be adjusted.

   * For details on each adjustment item, refer to the owner's manual supplied with the DPH910.

4. Turn the Rotary knob ⑮ clockwise or counterclockwise to make the adjustment.

5. Repeat steps 3 to 4 to complete the adjustment and press ADJ button ②.

6. Press and hold one of Direct buttons ⑧ for 2 seconds or longer to store the edited contents.

   * You can give a title to the user memory. For the inputting method of titles, refer to the subsection "**Entering titles**" in section "**Operations common to each mode**".

Digital Radio / DAB Operations

DAB control function

When a CeNET cable is used to connect a DAB (DAH913) (sold separetely), all functions can be operated.

Listening to the DAB station

1. Press FNC button ③ to select DAB mode.
2. When the unit receives a DAB station, the display changes in the following order:
   Frequency channel → service label

```
M1      12Bch
```
↓
```
M1 Clarion1
```
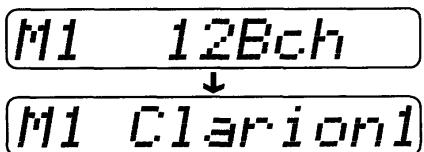
Switching displays

Press the DISP button for 1 second during the Main (service label) display to select Main (service label) or Sub (PTY).

Note:

• *The display shown in the normal reception mode and the preset reception mode is the same when a DAB station is received.*

3. When the unit does not receive a DAB station, the display changes in the following order:

   –Normal reception mode–

```
M1      LE ch
```

   –Preset reception mode–

```
M1      LE ch
```
↓
```
M1 Clarion1
```
↓
```
M1      LE ch
```
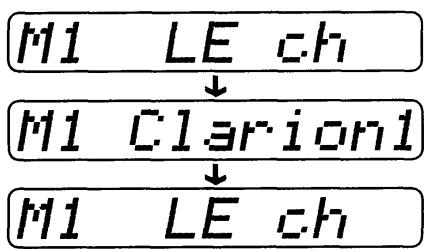
Notes:

• *The number of programmes and broadcasting times depend on the DAB stations.*
• *When the strength of DAB signals is weak, audio output is muted.*

Seek tuning

1. Press FNC button ③ to select DAB mode.
2. Press and hold right or left for 1 second or longer using SEARCH button ⑬.

```
M1      SEEK
```
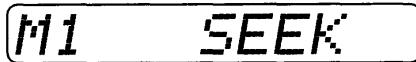
* **"SEEK"** appears in the display.

3. **"DAB"** lights up in the display when the main unit receives a DAB station.
   * The main unit stops the seek tuning when it cannot find a DAB station. The display returns to the previous mode.

Manual tuning

1. Press FNC button ③ to select DAB mode.
2. Press and hold BND button ⑩ for 1 second or longer. **"MANU"** lights up in the display.
3. Press the right or left SEARCH button ⑬ to select a station.
   * If no operation is performed for more than 7 seconds, manual tuning is cancelled and the display returns to the previous mode.

Switching programs

1. Press FNC button ③ to receive a DAB station.
2. Press the right or left SEARCH button ⑬ to switch programs in the DAB station.

Note:

• *The program name may be the same depending on DAB programs.*

Program scan

This function scans through each receivable program in a DAB station being received for 10 seconds sequentially. This is useful when you want to search for a desired program.

1. Press FNC button ③ to receive a DAB station.
2. Perform the following operation depending on the connected model.

   Press SCN button ④. **"SCAN"** lights up and the unit starts scanning each program for 10 seconds sequentially. Each time the main unit scans, the program name is shown in the display.

3. To stop program scan when a desired program is tuned in.

   Press SCN button ④.

Manual memory

The main unit has a manual memory function for DAB programmes. Up to 18 programs (6 programs each) can be preset in the preset buttons.

[M1], [M2] and [M3]

1. Press FNC button ③ to select DAB mode.
2. Press BND button ⑩ to select any one shown above.
3. Press the right or left SEARCH button ⑬ to select a desired program.
4. Press and hold one of Preset buttons (1 to 6) ⑧ for 2 seconds or longer to store the program.

Note:
* The interrupt programme (PTY or INFO) cannot be written into a manual memory.

Recalling a preset program

1. Press FNC button ③ to select DAB mode.
2. Press BND button ⑩. Each time you press BND button ⑩, the display changes in the following order:

   [M1] ➜ [M2] ➜ [M3] ➜ [M1]...
3. Press one of Preset buttons ⑧ to recall a preset programme.

Note:
* Press and hold Preset button ⑧ for 2 seconds or longer to store the program currently being received. (Manual memory)

AF function

The AF function switches to a different frequency on the same network in order to maintain optimum reception.

* The factory default setting is "**ON**"
* If the reception of the current broadcast station deteriorates, "**SEARCHING FOR SAME STATION**" or "**SEARCH**" appears in the display and the radio searches for the same program on another frequency.

● **Switching OFF the AF function**

Press AF button ⑤. "**AF**" in the display goes off and the AF function turns off.

● **Switching ON the AF function**

Press AF button ⑤. "**AF**" in the display lights and the AF function turns on.

* If the reception of the current broadcast station deteriorates, "**SEARCH**" appears in the display and the radio searches for the same program on another frequency.

TA (Traffic Announcement)

In TA standby mode, when a traffic announcement broadcast starts, the traffic announcement broadcast is received as top priority regardless of the function mode. Traffic programme (TP) automatic tuning is also possible.

* This function can only be used when "**TP**" is lit in the display. When "**TP**" is lit, this means that the DAB broadcast station being received has traffic announcement programs.

● **Setting TA standby mode**

If you press TA button ⑨ when only "**TP**" is lit in the display, "**TP**" and "**TA**" light in the display and the unit is set into TA standby mode until a traffic announcement is broadcast. When a traffic announcement broadcast starts, "**TRA INFO**" appears in the display. If you press TA button ⑨ while a traffic announcement broadcast is being received, the traffic announcement broadcast reception is cancelled and the unit goes into TA standby mode.

● **Cancelling TA standby mode**

With "**TP**" and "**TA**" lit in the display, press TA button ⑨. The "**TA**" in the display goes off and TA standby mode is cancelled.

* If "**TP**" is not lit, pressing TA button ⑨ searches for a TP station.

● **Searching for a TP station**

When "**TP**" is not lit, if you press TA button ⑨, "**TA**" in the display lights and the unit automatically receives a TP station.

Note:
* If a TP station is not received, the unit continues the search operation. Pressing TA button ⑨ again goes off "**TA**" in the display and stops TP station searching.

INFO (Announcement)

In INFO standby mode, when the selected announcement program starts, the main unit switches to the selected announcement program automatically.

M1 Events

● **Setting INFO standby mode**

If you press and hold TA button ⑨ for 1 second or longer, "**INFO**" lights in the display and the main unit is set into INFO standby mode until the selected announcement is broadcast. When the selected announcement broadcast starts, the announcement item appears in the display. If you press and hold TA button ⑨ for 1 second or longer while the selected announcement broadcast is being received, the selected announce-

ment broadcast reception is cancelled and the main unit goes into INFO standby mode.

● **Cancelling INFO standby mode**

To cancel INFO standby mode, press and hold TA button ⑨ for 1 second or longer.

● **Information select**

This is a function for selecting INFORMATION ON or OFF in Information interrupt mode.

You can set ON up to 6 information items.

You can select any of the 6 items below:

INFORMATION item	
ENGLISH	**Contents**
Travel	Transport flash
Warning	Warning / Service
News	News flash
Weather	Area weather flash
Event	Event announcement
Special	Special event

1. Perform the following operation depending on the connected model.

   Press and hold ADJ button ② for 1 second or longer.

2. Press the right or left SEARCH button ⑬ to select "**INFO SEL**", then push ENT button ⑭ to enter "**INFO SEL**" mode.

3. Press the right or left SEARCH button ⑬ to select an information item. You can select any of 6 items:

4. Perform the following operation depending on the connected model.

   Turn the Rotary knob ⑮ clockwise or counterclock wise to set the information item for ON or OFF.

5. Press ADJ button ② to return to the previous display.

PTY

This function enables you to listen to the selected program type, irrespective of the function mode.

* PTY broadcasts are not yet available in all countries.
* In INFO standby mode, INFO stations have priority over PTY stations.
* In TA standby mode, TP stations have priority over PTY stations.

PTY item	
ENGLISH	**Contents**
News	News
Inform	Information
Sports	Sports
Talk	Talk
Rock	Rock
Cls Rock	Classic Rock
Adlt Hit	Adult Hits
Soft Rck	Soft Rock
Top 40	Top 40
Country	Country
Oldies	Oldies
Soft	Soft
Nostalga	Nostalgia
Jazz	Jazz
Classicl	Classical
R&B	Rhythm and Blues
Soft R&B	Soft Rhythm and Blues
Language	Language
Rel Musc	Religious Music
Rel Talk	Religious Talk
Persnlty	Personality
Public	Public

● **Setting PTY standby mode**

When you press PTY button ⑥, "**PTY**" lights in the display and the PTY standby mode is turned on. When the selected PTY broadcast starts, the PTY item name appears in the display.

● **Cancelling PTY standby mode**

When you press and hold PTY button ⑥ for 1 second or longer, "**PTY**" goes off in the display and PTY standby mode is cancelled.

● **Cancelling a PTY interrupt broadcast**

Press PTY button ⑥ during the PTY interrupt broadcast, the PTY interrupt is cancelled and the unit returns to PTY standby mode.

Selecting PTY

1. When you press PTY button ⑥, the unit goes into PTY select mode.

2. Press any one of Preset buttons ⑧. Alternatively, turn the Rotary knob ⑮ clockwise or counterclockwise to select the desired PTY.

   ＊ Below are the factory default settings stored for Preset buttons ⑧.

Preset number	PTY item	
	ENGLISH	**Contents**
1	**News**	News
2	**Top40**	Top40
3	**Country**	Country
4	**Soft**	Soft
5	**Classicl**	Classical
6	**R&B**	Rhythm and Blues

3. The PTY select mode is cancelled automatically 7 seconds after a PTY is selected.

PTY seek

1. When you press PTY button ⑥, the PTY select mode is turned on.

2. Select PTY.

3. Press the right or left side of SEARCH button ⑬. If you press the right side, the unit seeks a PTY broadcast moving up the frequencies; if you press the left side, it seeks moving down the frequencies.

   ＊ If no station with the selected PTY broadcast can be received, the unit returns to PTY select mode.

PTY preset memory

1. When you press PTY button ⑥, the PTY select mode is turned on.

2. Turn the Rotary knob ⑮ clockwise or counterclockwise to select the desired PTY.

   The 22 types of PTY below can be selected.

3. If you press and hold any one of Preset buttons ⑧ for 2 seconds or longer, the selected PTY is stored into that preset channel memory.

Emergency broadcast

When an emergency broadcast is received, all the function mode operations are stopped. "**ALARM**" appears in the display and the emergency broadcast can be heard.

● **Cancelling an emergency broadcast**

If you press AF button ⑤, emergency broadcast reception is cancelled.

Switching the PTY and INFO display language

You can select one of 2 languages (English or French) for the PTY and INFO shown in the display.

＊ The factory default setting is "**English**".

1. Press and hold ADJ button ② for 1 second or longer to switch to the adjustment selection display.

2. Press the right or left side of SEARCH button ⑬ and select "**LANGUAGE**".

3. Turn the Rotary knob ⑮ clockwise or counterclockwise to select the desired language.

4. Press ADJ button ② to return to the previous mode.

Volume setting of TA, INFO, emergency broadcast (ALARM) and PTY

The volume for TA, INFO, ALARM and PTY interrupts can be set during TA, INFO, ALARM and PTY interrupt. Perform the following operation depending on the connected model.

＊ The factory default setting is "**15**".

   During a TA, INFO, ALARM or PTY interrupt, turn the Rotary knob ⑮ clockwise or counterclockwise to set the volume to a desired level (0 to 33).

＊ When the TA, INFO, ALARM or PTY interrupt ends, the volume returns to the level it had before the interrupt.

DVD Operations

Operation

● Play/Still operation

Press the ENT button [14] to select the desired mode (play, still (pause)).

Each time the button is pressed, the mode changes cyclically.

● Chapter up/down operation (FF/FB operation)

Press the right side of SEARCH button [13] for 1 second or shorter to increment chapters.

Hold down the right side of SEARCH button [13] for 1 second or longer to fast forward.

Press the left side of SEARCH button [13] for 1 second or shorter to decrement chapters.

Hold down the left side of SEARCH button [13] for 1 to fast backward.

● Slow playback

When a DVD disc is being played back and in still mode, hold down the right side of SEARCH button [13] for 1 second or longer.

	Problem	Cause	Measure
General	Power does not turn on. (No sound is produced.)	Fuse is blown.	Replace with a fuse of the same amperage. If the fuse blows again, consult your store of purchase.
		Incorrect wiring.	Consult your store of purchase.
	No sound output when operating the unit with amplifiers or power antenna attached.	Power antenna lead is shorted to ground or excessive current is required for remote-on the amplifiers or power antenna.	1. Turn the unit off. 2. Remove all wires attached to the power antenna lead. Check each wire for a possible short to ground using an ohm meter. 3. Turn the unit back on. 4. Reconnect each amplifier remote wire to the power antenna lead one by one. If the amplifiers turn off before all wires are attached, use an external relay to provide remote-on voltage (excessive current required).
	Nothing happens when buttons are pressed. Display is not accurate.	The microprocessor has malfunctioned due to noise, etc.	Turn off the power, then press the OPEN button ① and remove the DCP. Press the reset button for about 2 seconds with a thin rod. — Reset button
		DCP or source unit connectors are dirty.	Wipe the dirt off with a soft cloth moistened with cleaning alcohol.
CD/MP3	No sound heard	MP3 files are absent in a disc.	Write MP3 files onto the disc properly.
		Files are not recognized as an MP3 file.	Use MP3 files encoded properly.
		File system is not correct.	Use ISO9660 level 1 or level 2 for file system.
	Sound skips or is noisy.	Compact disc is dirty.	Clean the compact disc with a soft cloth.
		Compact disc is heavily scratched or warped.	Replace with a compact disc with no scratches.
		MP3 files are not encoded properly.	Use MP3 files encoded properly.
	Sound is bad directly after power is turned on.	Water droplets may form on the internal lens when the car is parked in a humid place.	Let dry for about 1 hour with the power on.
	Wrong file name	File system is not correct.	Use ISO9660 level 1 or level 2 for file system.
DSP	Poor sound quality	The equalizer levels are too high.	If the equalizer levels are too high, the sound may distort. Lower the equalizer levels.

If an error occurs, one of the following displays is displayed.
Take the measures described below to eliminate the problem.

	Error Display	Cause	Measure
CD/MP3	ERROR 2	A disc is caught inside the CD deck and is not ejected.	This is a failure of the CD deck mechanism and consult your store of purchase.
	ERROR 3	A disc loaded in the CD deck cannot be played due to scratches, etc.	Replace with a non-scratched, non-warped-disc.
	ERROR 6	A disc is loaded upside-down inside the CD deck and does not play.	Eject the disc then reload it properly.
		Displayed when a non-recorded disc is loaded in the CD deck.	Replace with a pre-recorded disc.
CD changer	ERROR 2	A CD inside the CD changer is not loaded.	This is a failure of CD changer's mechanism and consult your store of purchase.
	ERROR 3	A CD inside the CD changer cannot be played due to scratches, etc.	Replace with a non-scratched, non-warped disc.
	ERROR 6	A CD inside the CD changer cannot be played because it is loaded upside-down.	Eject the disc then reload it properly.
MD changer	ERROR H	Displayed when the temperature in the MD changer is too high and playback has been stopped automatically.	Lower the surrounding temperature and wait for a while to cool off MD changer.
	ERROR 2	An MD inside the MD changer is not loaded.	This is a failure of MD changer's mechanism and consult your store of purchase.
	ERROR 3	An MD inside the MD changer cannot be played due to scratches, etc.	Replace with a non-scratched, non-warped disc.
	ERROR 6	An MD inside the MD changer cannot be played because it is loaded upside-down.	Eject the disc then reload it properly.
		Displayed when a non-recorded MD is loaded in the MD changer.	Load a pre-recorded MD in the MD changer.

If an error display other than the ones described above appears, press the reset button. If the problem persists, turn off the power and consult your store of purchase.

FM Tuner

Frequency Range:
87.9 MHz to 107.9 MHz

Usable Sensitivity:
11 dBf

50dB Quieting Sensitivity:
17 dBf

Alternate Channel Selectivity:
75 dB

Stereo Separation (1 kHz):
35 dB

Frequency Response (±3 dB):
30 Hz to 15 kHz

AM Tuner

Frequency Range:
530 kHz to 1710 kHz

Usable Sensitivity:
25 μV

CD Player

System:
Compact disc digital audio system

Usable Discs:
Compact disc

Frequency Response (±1 dB):
5 Hz to 20 kHz

Signal to Noise Ratio (1 kHz):
100 dB

Dynamic Range (1 kHz):
95 dB

Harmonic Distortion:
0.012%

MP3

MP3 decode:
Conformed to MPEG-1, Audio Layer-3 standards

Sampling rate:
MPEG1:44.1 kHz, 48 kHz

Bit rate:
MPEG1 Fs:44.1 kHz 30 to 320 kbps, VBR
Fs:48 kHz   30 to 256 kbps, VBR

Sector structure:
CD-ROM mode 1, mode 2-form 1 (automatically discriminated)

ISO9660:
Level 1, level 2

Folder structure:
8 hierarchical levels

Number of files or folders:
Maximum 255 in total (However, the maximum number of folders must be within 150.)

Number of display letters for folder name or file name:
Maximum 16 letters (folder 16 letters, file 16 letters)

Audio

Maximum Power Output:
200 W (50 W × 4 ch) (JEITA)

Continuous Average Power Output:
18 W × 4, into 4 Ω, 20 Hz to 20 kHz, 1%THD

Bass Control Action (30 Hz):
+15 dB, -12dB

MID Control Action (1kHz):
±12 dB

Treble Control Action (10 kHz):
±12 dB

Line Output Level (CD 1 kHz):
4 V

General

Power Supply Voltage:
14.4 V DC (10.8 to 15.6 V allowable), negative ground

Current Consumption:
Less than 15 A

Speaker Impedance:
4 Ω (4 Ω to 8 Ω allowable)

Weight / Source unit:
3.75 lb. (1.7 kg)

Weight / Remote control unit:
1 oz. (30 g) (including battery)

Dimensions / Source unit:
7" (Width) × 2" (Height) × 6-1/8" (Depth)
[178 (W) × 50 (H) × 155 (D) mm]

Dimensions / Remote control unit:
1-3/4" (Width) × 4-5/16" (Height) × 1-1/8" (Depth)
[44 (W) × 110 (H) × 27 (D) mm]

Notes:
• Specifications comply with EIA Standards.
• Specifications and design are subject to change without notice for further improvement.

BEFORE USE!

Be sure to read the following when creating an MP3 disc.

● When writing an MP3 file on a CD-R disc or CD-RW disc, please select "**ISO9660 level 1 or level 2** (without including expansion format)" as the writing software format. Normal playback may not be possible if the disc is recorded on another format.

● A directory comprising more than 8 hierarchical levels on a disc is in conflict with ISO9660 and may not be played normally. A total of 255 files and folders can be recognized.

● Always add a file extension "**.MP3**" or "**.mp3**" to an MP3 file. If you add a file extension other than specified or forget to add the file extension "**.MP3**" or "**.mp3**", the file cannot be played. In addition, if you use upper case and lower case letters (capital and small letters) mixedly for file extensions, normal play is impossible.

● If you are using a Macintosh computer, add the file extension "**.MP3**" at the end of the filename (within a total of 31 single byte alphabetical letters and numerals) and write MP3 files onto a CD-R disc or CD-RW disc. This allows you to play MP3 files.

● Since this unit is not compatible with ID3-Tag, image files and various types of information cannot be displayed. Normal play may not be possible if the ID3-Tag Ver2.x information is written onto a CD-R disc or CD-RW disc.

Please refer to the Owner's Manual for information on operation and specifications.

Other Handy Functions
Entering titles

Note:
● CD titles which are stored in memory during CD play cannot be displayed if the CD is played on a CD changer. However, CD titles which are stored in memory during CD changer play can be displayed when the CD is played on this unit.

clarion

Installation/Wire Connection Guide (XDZ716 / DXZ715 / HX-D10)
Manuel d'installation et de connexion (XDZ716 / DXZ715 / HX-D10)
**Guía de instalación/conexión de cables (XDZ716 / DXZ715 / HX-D10)**

English   Français   Español

1. BEFORE STARTING / PRÉPARATIFS / ANTES DE COMENZAR

1. This set is exclusively for use in cars with a negative ground, 12 V power supply.
2. Read these instructions carefully.
3. Be sure to disconnect the battery "⊖" terminal before starting. This is to prevent short circuits during installation. (Figure 1)

1. Cet appareil est exclusivement destiné à être utilisé dans les voitures avec une alimentation 12 V à masse négative.
2. Lire ces instructions attentivement.
3. S'assurer de débrancher la borne "⊖" de la batterie avant de commencer. Cela évitera les court-circuits pendant l'installation. (Figure 1)

1. Esta unidad ha sido diseñada para utilizarse exclusivamente en automóviles con fuente de alimentación de 12 V, y negativo a masa.
2. Lea cuidadosamente estas instrucciones.
3. Antes de comenzar, cerciórese de desconectar el terminal "⊖" de la batería. Esto es para evitar cortocircuitos durante la instalación. (Figura 1)

Car battery
Batterie de voiture
Batería del automóvil
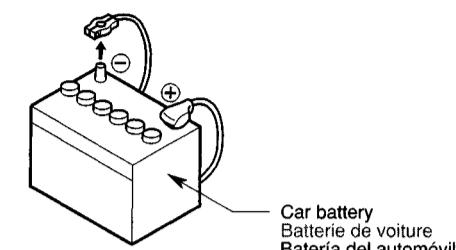
Figure 1 / Figure 1 / Figura 1

English   Français   Español

2. CAUTIONS ON INSTALLATION / PRÉCAUTIONS AU SUJET DE L'INSTALLATION / PRECAUCIONES PARA LA INSTALACIÓN

1. Prepare all articles necessary for installing the source unit before starting.
2. Install the unit within 30° of the horizontal plane. (Figure 2)
3. If you have to do any work on the car body, such as drilling holes, consult your car dealer beforehand.
4. Use the enclosed screws for installation. Using other screws can cause damage. (Figure 3)

1. Avant de commencer, préparer toutes les pièces nécessaires pour installer l'appareil pilote.
2. Installer l'appareil avec un angle inférieur à 30° par rapport à l'horizontal. (Figure 2)
3. S'il est nécessaire d'effectuer certains travaux sur la carrosserie comme percer des trous, consulter d'abord votre concessionnaire automobile.
4. Utiliser les vis fournies pour l'installation. L'utilisation d'autres vis peut causer des dommages. (Figure 3)

1. Antes de comenzar, prepare todos los elementos necesarios para instalar la unidad fuente.
2. Instale la unidad con un ángulo de 30° sobre el plano horizontal. (Figura 2)
3. Si tiene que realizar cualquier trabajo en la carrocería, como taladrado de orificios, etc., consulte al proveedor de su automóvil.
4. Utilice los tornillos suministrados para la instalación. La utilización de otros tornillos podría resultar en daños. (Figura 3)

Max. 30°
Max. 30°
Máx. 30°
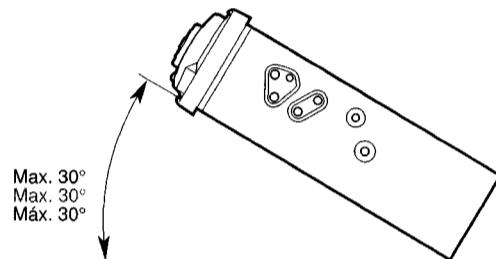
Figure 2 / Figure 2 / Figura 2

Chassis / Châssis / Chasis

Max. 5/16" (8 mm)
Max. 5/16" (8 mm)
Máx. 5/16" (8 mm)

Chassis / Châssis / Chasis

Damage
Endommagé
Dañado
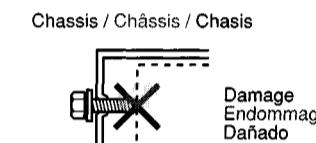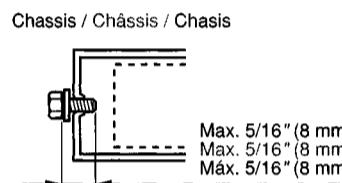
Figure 3 / Figure 3 / Figura 3

English   Français   Español

3. INSTALLING THE SOURCE UNIT / INSTALLATION DE L'APPAREIL PILOTE / INSTALACIÓN DE LA UNIDAD FUENTE

■ Universal Mount

1. Place the universal mounting bracket into the instrument panel, use a screwdriver to bend each stopper of the universal mounting bracket inward, then secure the stopper as shown in Figure 4.
2. Wire as shown in Section 6.
3. Insert the source unit into the universal mounting bracket until it locks.
4. Take care of the top and bottom of the outer escutcheon and mount it so that all the hooks are locked. (Figure 5)

Notes:
1) Some car models require special mounting kits for proper installation. Consult your Clarion dealer for details.
2) Fasten the front stopper securely to prevent the source unit from coming loose.

■ Montage universel

1. Placer le support de montage universel dans le tableau de bord, utiliser un tournevis pour replier vers l'extérieur chaque languette du support de montage universel, puis fixer les languettes comme montré sur la Figure 4.
2. Câbler comme montré dans la Section 6.
3. Insérer l'appareil pilote dans le support de montage universel jusqu'à ce qu'il soit bloqué.
4. Repérer le haut et le bas de l'écusson extérieur et le monter de manière que tous les crochets soient verrouillés. (Figure 5)

Remarques:
1) Certains modèles de voiture nécessitent un kit de montage spécial pour une installation correcte. Consulter le revendeur Clarion pour les détails.
2) Serrer fermement la languette avant pour éviter que l'appareil pilote ne se desserre.

■ Montaje universal

1. Coloque el soporte de montaje universal en el tablero de instrumentos, utilice un destornillador para doblar cada retén del soporte de montaje universal hacia adentro, y después asegure el retén como se muestra en la Figura 4.
2. Conecte los cables como se muestra en la Sección 6.
3. Inserte la unidad fuente en el soporte de montaje universal hasta que quede enganchado.
4. Tenga cuidado con la partes superior e inferior de la pieza ornamental exterior, y móntela de forma que todos los ganchos queden bloqueados. (Figura 5)

Notas:
1) Algunos modelos de automóviles requieren juegos de montaje especiales para realizar la instalación apropiada. Solicite los detalles a su proveedor Clarion.
2) Apriete con seguridad el retén frontal para evitar que se afloje la unidad fuente.

- Console opening dimensions
- Dimensions d'ouverture de la console
- Dimensiones de la abertura de la consola

7-3/16" (182 mm)

Hole
Trou
Orificio

2-1/8" 53 mm
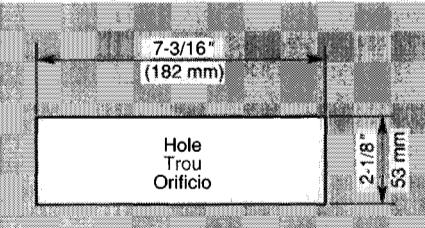
Top
Haut
Parte superior

Installation direction
Sens d'installation
Dirección de instalación

Bottom
Bas
Parte inferior

Outer escutcheon side view
Vue latérale de l'écusson extérieur
Vista lateral de la pieza ornamental exterior

Figure 5 / Figure 5 / Figura 5

Instrument panel
Tableau de bord
Tablero de instrumentos

Hole
Trou
Orificio

Stoppers
Languettes
Retenes

Hexagonal bolt
Ecrou hexagonal
Perno hexagonal

Strap
Armature
Banda

* This part is not provided in some models.
* Cette pièce n'existe pas sur tous les modèles.
* Esta pieza no se suministra con algunos modelos.

Screwdriver
Tournevis
Destornillador

Source Unit
Appareil pilote
Unidad fuente

Universal mounting bracket
Support de montage universel
Soporte de montaje universal

Spring
Ressort
Resorte

Stoppers
Languettes
Retenes

Outer escutcheon
Ecusson extérieur
Pieza ornamental exterior

Note:
Before attaching the universal mounting bracket, slightly bend the spring toward the inside with your fingers and attach it to the side of car.
Remarque :
Avant de fixer le patin de montage universel, pliez légèrement le ressort vers l'intérieur avec les doigts et fixez-le sur le côté de la voiture.
Nota:
Antes de fijar el soporte de montaje universal, doble ligeramente el resorte hacia el interior con los dedos y fíjelo en la parte lateral del automóvil.

Figure 4 / Figure 4 / Figura 4

■ Fixed Mount
(TOYOTA, NISSAN and other ISO/DIN equipped vehicles)

This unit is designed for fixed installation in the dashboard.
If the vehicle is equipped with a factory-installed radio, install the source unit with the parts and screws marked (∗). (Figure 6)
If the vehicle is not equipped with a factory-installed radio, obtain an installation kit to install the source unit in the following procedure.

1. Secure the mounting brackets to the chassis as shown in Figure 6. Holes are pre-tapped for TOYOTA and NISSAN vehicles; modification, such as drilling new holes, of the mounting brackets may be required for other models.
2. Wire as shown in Section 6.
3. Secure the unit in the dashboard, and then reassemble the dashboard and the center panel.

■ Montage fixe
(TOYOTA, NISSAN et autres véhicules équipés ISO/DIN)

Cet appareil est conçu pour une installation fixe dans le tableau de bord. Si le véhicule est équipé d'un auto-radio installé à l'usine, installer l'appareil pilote avec les piéces et les écrous marquées de (∗). (Figure 6)
Si le véhicule n'est pas équipé d'un auto-radio installé à l'usine se procurer un kit d'installation pur installer l'appareil pilote avec la procédure suivante.
1. Fixer le support de montage sur le châssis comme montré sur la Figure 6. Les trous sont pré-découpés pour les véhicules TOYOTA et NISSAN; des modification du support de montage, comme le perçage de nouveaux trous, peuvent être nécessaire pour les autres modèles.
2. Câbler comme montré dans la Section 6.
3. Fixer l'appareil dans le tableau de bord puis remonter le tableau de bord et le panneau central.

■ Montaje fijo
(Automóviles TOYOTA, NISSAN, y otros provistos de normas ISO/DIN)

Esta unidad ha sido diseñada para instalarse de forma fija en el tablero de instrumentos. Si el automóvil dispone de una radio instalada en fábrica, instale la unidad fuente con las piezas y los tornillos marcados con (∗). (Figura 6)
Si el automóvil no dispone de una radio instalada en fábrica, adquiera un juego de instalación para instalar la unidad fuente de acuerdo con el procedimiento siguiente.
1. Asegure los soportes de montaje al chasis como se muestra en la Figura 6. Los orificios ya han sido taladrados en los automóviles TOYOTA y NISSAN, pero para otros modelos puede resultar necesario realizar modificaciones, como taladrado de nuevos orificios en los soportes de montaje.
2. Conecte los cables como se muestra en la Sección 6.
3. Asegure la unidad al tablero de instrumentos, y después vuelva a montar el tablero de instrumentos y el panel central.

∗: The parts and screws with this mark are used to install radio or included in the installation kit.
★: The screws with this mark are originally attached to the vehicle.

∗: Les pièces et les vis portant cette marque sont utilisées pour l'autoradio installé ou fournies dans le kit d'installation.
★: Les vis portant cette marque sont fournies d'origine avec le véhicule.

∗: Las piezas y tornillos con esta marca se utilizan para instalar la radio o se suministran con el juego de instalación.
★: Los tornillos con esta marca están originalmente fijados a los automóviles.

Mounting bracket ∗
(1 pair for the left and right sides)
Support de montage ∗
(1 paire, pour les faces gauche et droite)
Soporte de montaje ∗
(1 par para los lados izquierdo y derecho)

Dashboard
Tableau de bord
Tablero de instrumentos

Source Unit
Appareil pilote
Unidad fuente

4–Hexagonal screw ∗ (M5 × 8)
4–Vis hexagonale ∗ (M5 × 8)
4–Tornillo hexagonale ∗ (M5 × 8)

Note 2 / Remarque 2 / Nota 2

Center Panel (Note 1)
Panneau central (Remarqure 1)
Panel central (Nota 1)

Pocket
Vide poche
Bolsillo

Figure 6 / Figure 6 / Figura 6

Note 1: In some cases, the center panel may require some modification (trimming, filling, etc.).

Note 2: If a hook on the installation bracket interferes with the unit, bend and flatten it with a nipper or a similar tool.

Remarque 1: Dans certains cas, le panneau central peut nécessité certaines modifications (ébarbage, remplissage, etc.).

Remarque 2: Si un crochet du support d'installation interfère avec l'appareil, le tordre et l'aplatir avec une pince ou un outil similaire.

Nota 1: En algunos casos, el panel central puede requerir ciertas modificaciones (recorte, limado, etc.).

Nota 2: Si algún gancho del soporte de montaje interfiere con la unidad, dóblelo y aplánelo con unos alicates u otra herramienta similar.

`English` `Français` `Español`

4. REMOVAL OF THE SOURCE UNIT / DEPOSE DE L'APPAREIL PILOTE / DESMONTAJE DE LA UNIDAD FUENTE

1. When removing the source unit, disassemble it in the reverse of the order in Section "3. INSTALLING THE SOURCE UNIT".
2. Press the outer escutcheon upward and remove it. (Figure 7)
3. Insert and lock the hook plates. (Figure 8)
4. Pull the hook plates to remove the source unit.

1. Lors de la dépose de l'appareil pilote, démonter dans l'ordre inverse de la Section "3. INSTALLATION DE L'APPAREIL PILOTE".
2. Presser l'écusson extérieur vers le haut et le retirer. (Figure 7)
3. Insérer et verrouiller les plaques à crochet. (Figure 8)
4. Tirer sur les plaques à crochet pour retirer l'appareil pilote.

1. Para desmontar la unidad fuente, realice el procedimiento inverso al de la Sección "3. INSTALACIÓN DE LA UNIDAD FUENTE".
2. Presione la pieza ornamental exterior hacia afuera y extráigala. (Figura 7)
3. Inserte y bloquee las placas de enganche. (Figura 8)
4. Tire de las placas de enganche para extraer la unidad fuente.

Outer escutcheon
Ecusson extérieur
Pieza ornamental exterior

2–Hook plate
2–Plaque à crochet
2–Placa de enganche
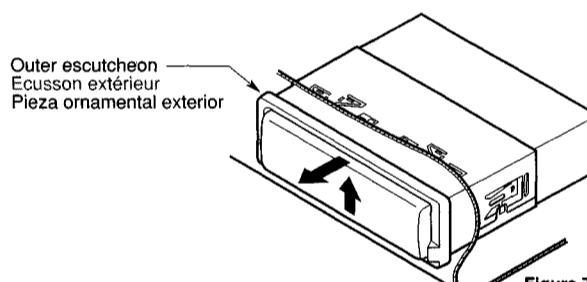
Figure 7 / Figure 7 / Figura 7
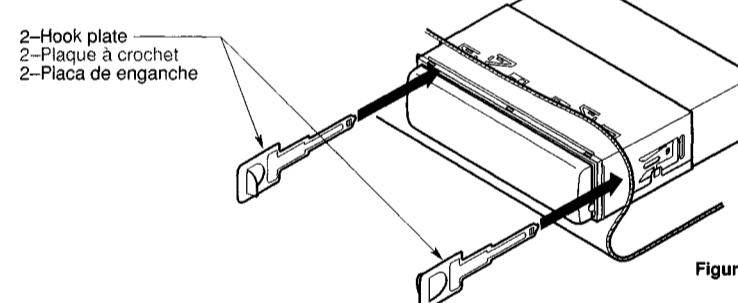
Figure 8 / Figure 8 / Figura 8

`English` `Français` `Español`

5. CAUTIONS ON WIRING / PRÉCAUTIONS AU SUJET DES CONNEXIONS / PRECAUCIONES PARA LA CONEXIÓN DE CABLES

1. Be sure to turn the power off when wiring.
2. Be particularly careful where you route the wires. Keep them well away from the engine, exhaust pipe, etc. Heat may damage the wires.
3. If the fuse should blow, check that the wiring is correct. If it is, replace the fuse with a new one with the same amperage rating as the original one.
4. To replace the fuse, open the lock on the source unit side, remove the old fuse and insert the new one. (Figure 9)
   ∗ There are various types of fuse cases. Do not let the battery side terminal touch other metal parts.
5. Connect the CeNET extension cable fully and securely until it locks. When the CeNET extension cable is pulled, hold the slide cap part and pull it towards you.
   ∗ When the CeNET extension cable is extended or branches, use extension cable CCA-520 (8 feet [2.5m]) or CCA-521 (2 feet [0.6m]), or Y-adapter CCA-519 (each of them is sold seperately).
   ∗ Use the CeNET extension cable made by Clarion.

1. S'assurer de mettre l'appareil hors circuit avant de faire le câblage.
2. Faire particulièrement attention lors de l'acheminement des fils. Les éloigner du moteur, des tuyaux d'échappement, etc. La chaleur risque d'endommager ces fils.
3. Si le fusible saute, vérifier si le câblage est correct. Si le fusible est grillé, le remplacer par un fusible neuf de même ampérage que le fusible d'origine.
4. Pour remplacer le fusible, ouvrir le loquet sur le côté de l'appareil pilote, retirer l'ancien fusible et insérer le fusible neuf. (Figure 9)
   ∗ Il existe plusieurs types de boîtiers à fusibles. Ne pas laisser la borne de batterie entrer en contact avec les autres pièces métalliques.
5. Connecter le câble d'extension CeNET complètement et solidement jusqu'à ce qu'il soit verrouillé. Pour tirer le câble d'extension CeNET, tenir la partie coulissante du capuchon et tirer vers vous.
   ∗ Pour étendre ou dériver le câble d'extension CeNET, utiliser le câble d'extension CCA-520 (2,5 m [8 pieds]) ou CCA-521 (0,6m [2 pieds]), ou le l'adaptateur Y CCA-519 (ces câbles sont vendus séparément).
   ∗ Utiliser les câbles d'extension CeNET fabriqués par Clarion.

1. Antes de hacer las conexiones, asegúrese de desconectar la alimentación de la unidad.
2. Sea especialmente cuidadoso al dirigir y fijar los cables. manténgalos alejados del motor, tubo de escape, etc. El calor puede dañar los cables.
3. Si el fusible se quema, revise las conexiones. Si está quemado, reemplace el fusible por otro nuevo con el mismo valor de amperaje que el original.
4. Para reemplazar el fusible, abra la tapa de la unidad fuente, retire el fusible antiguo e instale otro nuevo. (Figura 9)
   ∗ Existen distintos tipos de cajas de fusibles. no permita que el terminal del lado de la batería quede en contacto con otras partes metálicas.
5. Conecte el cable prolongador CeNET completa y seguramente hasta que chasquee. Para desconectar el cable, sujete la parte de la tapa deslizable y tire hacia usted.
   ∗ Para prolongar o ramificar el cable prolongador CeNET, utilice un cable prolongador CCA-520 (2,5 m) o CCA-521 (0,6 m), o un adaptador en Y CCA-519 (vendidos aparte).
   ∗ Utilice un cable prolongador CeNET fabricado por Clarion.

Example 1
Exemple 1
Ejemplo 1

Example 2
Exemple 2
Ejemplo 2

Example 3
Exemple 3
Ejemplo 3

Fuse
Fusible
Fusible

Fuse case
Boîtier à fusible
Caja de fusible

Fuse case
Boîtier à fusible
Caja de fusible

Fuse
Fusible
Fusible

Fuse
Fusible
Fusible

Fuse case
Boîtier à fusible
Caja de fusible
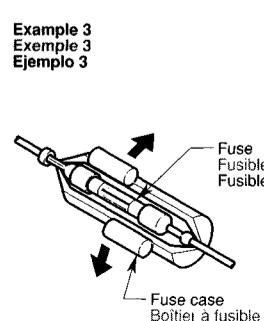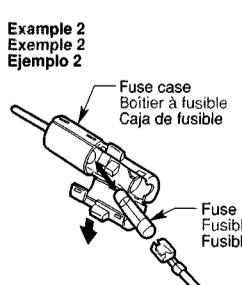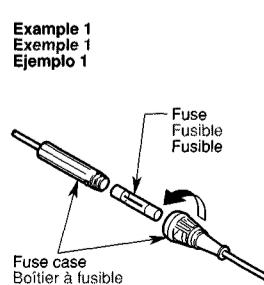
Figure 9 / Figure 9 / Figura 9

6. WIRE CONNECTIONS / CONNECTIQUE / CONEXIÓN DE CABLES

Note 1: Some units do not have connecting leads or jacks. (Refer to ★.)
Note 2: The HX-D10 is transparent.(Refer to ☆.)
Remarque 1: Certains appareils n'ont pas de conducteurs de connexion ou de prises. (Voir ★.)
Remarque 2: Le HX-D10 est transparent.(Voir ☆.)
**Nota 1:** Algunas unidades no tienen cables de conexión ni conectores. (Refiérase a ★.)
Nota 2: El HX-D10 es transparente.(Refiérase a ☆.)

* The HX-D10 is not equipped with this switch.
☆ Le HX-D10 n'est pas équipé de ce commutateur.
* El HX-D10 no dispone de este interruptor.

● Be sure to read this when connecting using the RCA terminals.
● Lire attentivement cette section lors du raccordement utilisant les bornes RCA.
● Asegúrese de leer esta nota al conectar los terminales RCA.

Red / Rouge / Rojo — Front Right / Avant droit / Delantero derecho
White / Blanc / Blanco — Front Left / Avant gauche / Delantero izquierdo
Red / Rouge / Rojo — Rear Right / Arrière droit / Trasero derecho
White / Blanc / Blanco — Rear Left / Arrière gauche / Trasero izquierdo
Gray☆ Gris☆ Gris☆
Black☆ Noir☆ Negro☆
Purple☆ Pourpre☆ Púrpura☆

Red / Rouge / Rojo — ★ Non-fader Right / ★ Droit sans fader / ★ Derecho sin control de equilibrio entre delanteros y traseros
White / Blanc / Blanco — ★ Non-fader Left / ★ Gauche sans fader / ★ Izquierdo sin control de equilibrio entre delanteros y traseros

To external amplifier
* To eliminate audio short circuits, do not remove the caps of unused RCA cables.
Vers un amplificateur externe
* Pour supprimer les courts-circuits audio, ne pas retirer les capuchons des câbles RCA non utilisés.
A un amplificador externo
* Para eliminar los cortocircuitos de audio, no quite los casquillos protectores de los cables RCA no utilizados.

■ Rear Layout
■ Disposition arrière
■ Disposición de la parte posterior

Red / Rouge / Rojo — AUX INPUT Right / ENTREE AUX droite / Entrada auxiliar (AUX INPUT) del canal derecho
White / Blanc / Blanco — AUX INPUT Left / ENTREE AUX gauche / Entrada auxiliar (AUX INPUT) del canal izquierdo

Antenna / Antenne / Antena

Rear View of the Source Unit
Vue arrière de l'appareil pilote
Vista posterior de la unidad fuente

16-pin connector / Connecteur 16 broches / Conector de 16 contactos

CeNET input / Entrée CeNET / Entrada de CeNET

16-Pin Connector Extension Lead (attached to the source unit)
Fil prolongateur-connecteur 16 broches (attaché sur l'appareil pilote)
Cable prolongador de 16 contactos (fijado a la unidad fuente)

* The HX-D10 is not equipped with a speaker lead.
☆ Le HX-D10 n'est pas équipé d'un fil de haut-parleur.
* El HX-D10 no dispone de cable de altavoz.

Front Right / Avant droit / Delantero derecho — ⊕Gray / ⊕Gris / ⊕Gris — ⊖Gray/Black / ⊖Gris/noir / ⊖Gris/negro
Front Left / Avant gauche / Delantero izquierdo — ⊕White / ⊕Blanc / ⊕Blanco — ⊖White/Black / ⊖Blanc/noir / ⊖Blanco/negro
Rear Right / Arrière droit / Trasero derecho — ⊕Purple / ⊕Pourpre / ⊕Púrpura — ⊖Purple/Black / ⊖Pourpre/noir / ⊖Púrpura/negro
Rear Left / Arrière gauche / Trasero izquierdo — ⊕Green / ⊕Vert / ⊕Verde — ⊖Green/Black / ⊖Vert/noir / ⊖Verde/negro

4-Speaker system / Système à 4 haut-parleurs / Sistema con 4 altavoces
or / ou / o
2-Speaker system / Système à 2 haut-parleurs / Sistema con 2 altavoces

Right / Droit / Derecho — ⊕Gray / ⊕Gris / ⊕Gris — ⊖Gray/Black / ⊖Gris/noir / ⊖Gris/negro
Left / Gauche / Izquierdo — ⊕White / ⊕Blanc / ⊕Blanco — ⊖White/Black / ⊖Blanc/noir / ⊖Blanco/negro
⊕Purple / ⊕Pourpre / ⊕Púrpura — ⊖Purple/Black / ⊖Pourpre/noir / ⊖Púrpura/negro
⊕Green / ⊕Vert / ⊕Verde — ⊖Green/Black / ⊖Vert/noir / ⊖Verde/negro

Not used. Insulate each wire.
Inutilisé. Isoler chaque fil.
No se utiliza. Aísle todos los conductores.

Brown wire (Phone mute lead)★
Fil marron (fil de sourdine de téléphone)★
Conductor marrón (Conductor de silenciamiento de teléfono)★
Connect to cellular phone mute lead.
Brancher au fil de sourdine du téléphone mobile.
Conéctelo al conductor de silenciamiento del teléfono modular.

Yellow wire (Memory back-up lead)
Fil jaune (fil de soutien mémoire)
Conductor amarillo (Conductor de protección de la memoria)
Connect directly to battery.
Brancher directement à la batterie.
Conéctelo directamente a la batería.
Fuse (15A) / Fusible (15A) / Fusible (15 A)

Yellow wire (Bus power lead)
Fil jaune (fil de bus d'alimentation)
Conductor amarillo (conductor de alimentación de bus)
Connect directly to battery.
Brancher directement à la batterie.
Conéctelo directamente a la batería.
Fuse (3A) / Fusible (3A) / Fusible (3A) — Choke / Refouler / Obturador

Red wire (Power lead)
Fil rouge (fil d'alimentation)
Conductor rojo (Conductor de alimentación)
Accessory ⊕12 V / Accessoire ⊕12 V / Accesorio ⊕12 V

Blue/White wire (Amplifier turn-on lead)
Fil bleu/blanc (fil de mise sous tension télécommandable de l'amplificateur)
Conductor azul/blanco (Conductor de conexión de la alimentación del amplificador)
Connect to remote turn-on lead of amplifier.
Brancher au fil de mise sous tension télécommandable de l'amplificateur.
Conéctelo al conductor de conexión automática de la alimentación del amplificador.

Black wire (Ground lead)
Fil noir (fil de terre)
Conductor negro (Conductor de puesta a masa)
Connect to vehicle chassis ground.
Brancher à la terre du châssis du véhicule.
Conéctelo a una parte metálica del chasis del vehículo.

Orange wire (Illumination lead)★
Fil orange (fil d'éclairage)★
Conductor anaranjado (conductor de iluminación)★
Connect it to the car power supply terminal for illumination.
Le connecter à la borne d'alimentation de l'éclairage de la voiture.
Conéctelo al terminal de alimentación del automóvil para iluminación.

Blue wire (Auto antenna lead)★
Fil bleu (fil de l'antenne électrique)★
Conductor azul (conductor para la antena motorizada)★
Connect it to the car power supply terminal for the antenna.
Le connecter à la borne d'alimentation de l'antenne électrique de la voiture.
Conéctelo al terminal de alimentación de la antena.

RCA switch of source unit using internal amplifier may need to be changed when connecting with other units.
· Use a plastic rod, etc., to switch the LINE IN/OUT selector switches of the source units. (Short-circuiting the source units boards will result in damage.)

Le commutateur RCA de l'appareil pilote utilisant un amplificateur interne nécessite un changement lors du raccordement à d'autres appareils.
· Utiliser une tige en plastique, etc., pour commuter les sélecteurs d'entrée/sortie de ligne (LINE IN/OUT) des unités source. (Le fait de court-circuiter les cartes d'unités source endommage l'appareil)

Al conectar a otras unidades, es posible que sea necesario cambiar la posición de ajuste del selector RCA de la unidad fuente que esté usando el amplificador interno.
· Utilice una varilla de plástico, etc., para ajustar los selectores de entrada/salida de línea (LINE IN/OUT) de las unidades fuente. (El cortocircuitar las tarjetas de las unidades fuente puede causar daños.)

· Turn off power before changing switch position.
· Mettre l'appareil hors circuit avant de changer la position du commutateur.
· Desconecte la alimentación antes de cambiar la posición del selector.

Bottom view of source unit
Vue du dessous de l'appareil pilote
**Vista de la base de la unidad fuente**
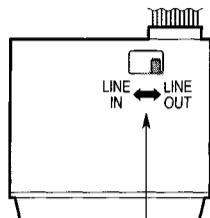
LINE IN ⟷ LINE OUT

★ Line IN/OUT switch — The switch is initially set to "LINE-OUT".
★ Commutateur d'entrée/sortie de ligne (LINE IN/OUT) — Ce commutateur est initialement réglé sur "LINE-OUT" (sortie de ligne).
★ Selector de entrada/salida (IN/OUT) de línea — El selector está inicialmente ajustado a la posición "LINE OUT".

RCA connection using LINE-OUT
Connexion RCA utilisant la sortie de ligne (LINE-OUT)
Conexión RCA utilizando LINE-OUT

● When using external amplifier
● Lors de l'utilisation d'un amplificateur externe
● Cuando utilice un amplificador externo

Gray/Gris/Gris — Amplifier/Amplificateur/Amplificador — To Front speakers / Vers le haut-parleurs avant / Al altavoces delanteros
Black/Noir/Negro — Amplifier/Amplificateur/Amplificador — To Rear speakers / Vers le haut-parleurs arrière / Al altavoces traseros
Purple/Pourpre/Púrpura — Network/Réseau électrique/Red — Amplifier/Amplificateur/Amplificador — To Subwoofers / Vers le subwoofers / Al altavoces de subgraves

● When using expanded DSP/EQ module with external amplifier
● Lors de l'utilisation d'un module DSP/EQ avec un amplificateur externe
● Cuando utilice un módulo DSP/EQ expandido con el amplificador interno
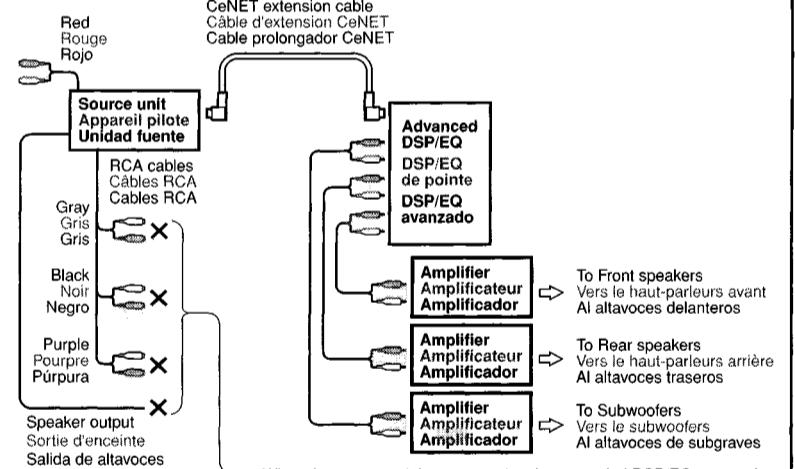
CeNET extension cable / Câble d'extension CeNET / Cable prolongador CeNET
Advanced DSP/EQ / DSP/EQ de pointe / DSP/EQ avanzado

To Front speakers / Vers le haut-parleurs avant / Al altavoces delanteros
To Rear speakers / Vers le haut-parleurs arrière / Al altavoces traseros
To Subwoofers / Vers le subwoofers / Al altavoces de subgraves

Speaker output / Sortie d'enceinte / Salida de altavoces

When the source unit is connected to the expanded DSP/EQ, a sound signal is not generated from both RCA pin cables of the source unit and speaker output.
Quand l'appareil source est connecté au module DSP/EQ, aucun signal sonore n'est généré des deux câbles RCA de l'appareil source et de la sortie des enceintes.
Cuando la unidad fuente esté conectada a DSP/EQ, no habrá salida de señal de sonido a través de los cables clavijas RCA de la unidad fuente ni de la salida de altavoces.

RCA connection using LINE-IN
Connexion RCA utilisant la borne d'entrée de ligne (LINE-IN)
**Conexión RCA utilizando LINE-IN**

● Using internal amplifier connected to expanded DSP/EQ module
● Utilisation de l'amplificateur interne connecté au module DSP/EQ
● Utilización del amplificador interno conectado al módulo DSP/EQ expandido
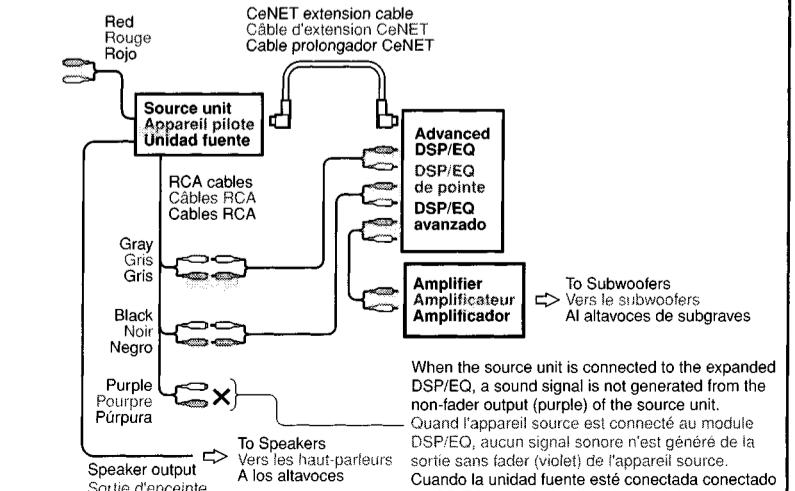
CeNET extension cable / Câble d'extension CeNET / Cable prolongador CeNET
Advanced DSP/EQ / DSP/EQ de pointe / DSP/EQ avanzado
Amplifier/Amplificateur/Amplificador — To Subwoofers / Vers le subwoofers / Al altavoces de subgraves

Speaker output / Sortie d'enceinte / Salida de altavoces
To Speakers / Vers les haut-parleurs / A los altavoces

When the source unit is connected to the expanded DSP/EQ, a sound signal is not generated from the non-fader output (purple) of the source unit.
Quand l'appareil source est connecté au module DSP/EQ, aucun signal sonore n'est généré de la sortie sans fader (violet) de l'appareil source.
Cuando la unidad fuente esté conectada a DSP/EQ, no habrá salida de señal de sonido a través de la salida sin equilibrio entre los altavoces delanteros y traseros (púrpura) de la unidad fuente

# 7. SAMPLE SYSTEMS / EXEMPLES DE SYSTÉMES / EJEMPLOS DE SISTEMAS

■ Example of the system using an internal amplifier. (AUDIO)
(The HX-D10 is not equipped with an internal amplifier.)
■ Exemple de système utilisant un amplificateur interne. (AUDIO)
(Le HX-D10 n'est pas équipé d'un amplificateur externe.)
■ Ejemplo de sistema utilizando un amplificador interno. (AUDIO)
(El HX-D10 no dispone de amplificador interno.)

■ Example of the system using an external amplifier. (AUDIO)
■ Exemple de système utilisant un amplificateur extérieur. (AUDIO)
■ Ejemplo de sistema utilizando un amplificador externo. (AUDIO)
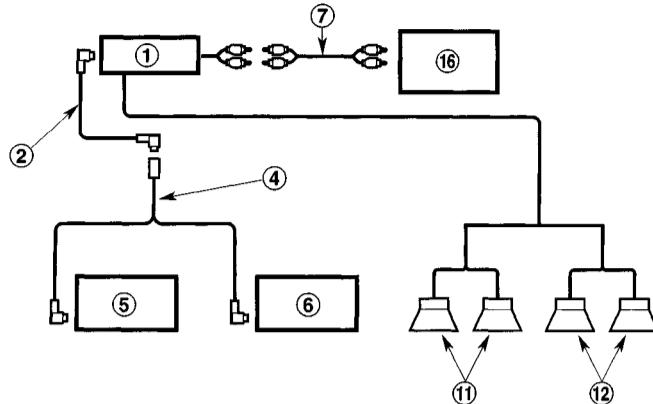
■ Example of the system using an external amplifier. (AUDIO, VISUAL)
■ Exemple de système utilisant un amplificateur extérieur. (AUDIO, VISUEL)
■ Ejemplo de sistema utilizando un amplificador externo. (AUDIO, VÍDEO)
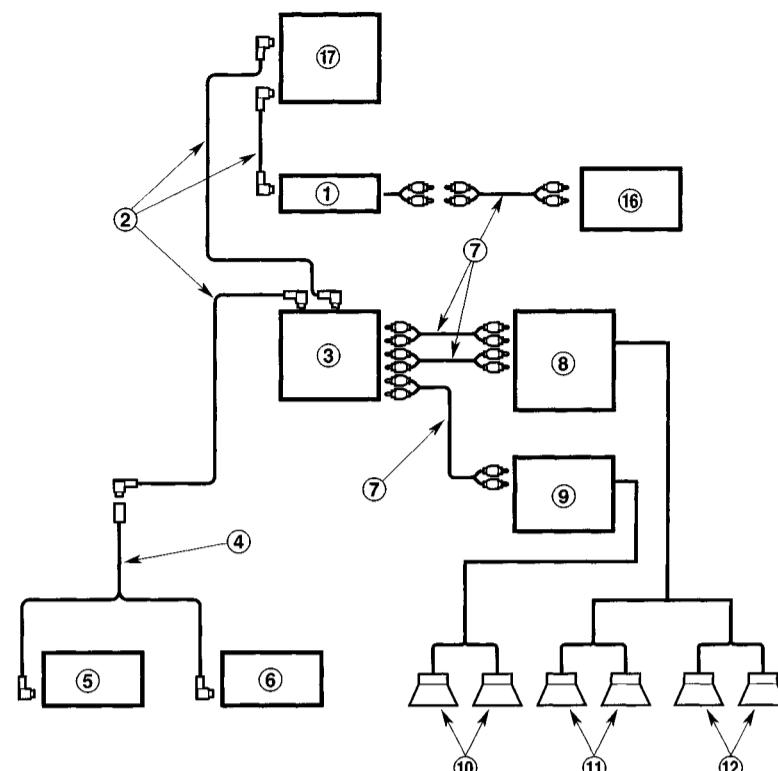
Note:
Use a CeNET extension cable that is less than 20 m in length. (including the Y-adapter CCA-519.)
Remarque:
Utiliser un câble d'extension CeNET inférieur à 20 m de long (en comptant aussi le l'adaptateur Y CCA-519).
Nota:
Utilice un cable CeNET de menos de 20 m de longitud (incluyendo el adaptador en Y CCA-519).

� Some source units cannot control the expanded DSP/EQ module or expanded TV tuner module. Read the owner's manual about whether the unit can control them.
✤ Certains appareils source ne peuvent pas commander le module DSP/EQ ou le module tuner de télévision. Consulter le mode d'emploi pour savoir si l'appareil peut le commander.
✤ Algunas unidades fuente no podrán controlar el módulo DSP/EQ ni el módulo sintonizador de televisión. Con respecto a si la unidad puede controlarlo o no, lea el manual de instrucciones.

English

①	Source Unit
②	CeNET extension cable
③	Advanced DSP/EQ Module
④	Y-adapter (sold separately)
⑤	6-DISC MD changer
⑥	6 or 12-DISC CD Changer
⑦	RCA Extension Cable (sold separately)
⑧	4-Channel Power Amplifier
⑨	2-Channel Power Amplifier
⑩	Subwoofers
⑪	Front Speakers
⑫	Rear Speakers
⑬	Expanded TV Tuner Module
⑭	Monitor/Tuner Connection Cable
⑮	Video Monitor
⑯	External Unit
⑰	Expanded DAB tuner module

Français

①	Appareil pilote
②	Câble d'extension CeNET
③	Module DSP/EQ de pointe
④	L'adaptateur Y (vendu séparément)
⑤	Changeur de MD à 6 disques
⑥	Changeur de CD 6 ou 12 DISQUES
⑦	Câble prolongateur RCA (vendu séparément)
⑧	Amplificateur de puissance 4 canaux
⑨	Amplificateur de puissance 2 canaux
⑩	Subwoofers
⑪	Haut-parleurs avant
⑫	Haut-parleurs arrière
⑬	Module tuner TV
⑭	Câble de connexion moniteur/tuner
⑮	Moniteur vidéo
⑯	Appareil externe
⑰	Module de tuner DAB étendu

Español

①	Unidad fuente
②	Cable prolongador CeNET
③	Módulo DSP/EQ avanzado
④	Adaptador en Y (vendido aparte)
⑤	Cambiador de 6 minidiscos
⑥	Cambiador de 6 o 12 discos compactos
⑦	Cable prolongador RCA (vendidos aparte)
⑧	Amplificador de potencia de 4 canales
⑨	Amplificador de potencia de 2 canales
⑩	Altavoces de subgraves
⑪	Altavoces delanteros
⑫	Altavoces traseros
⑬	Módulo sintonizador de televisión expandido
⑭	Cable de conexión de monitor/sintonizador
⑮	Monitor de vídeo
⑯	Unidad externa
⑰	Módulo sintonizador DAB ampliado

8. GENERAL CAUTIONS / PRÉCAUTIONS GÉNÉRALES / PRECAUCIONES GENERALES

1. Do not open the case. There are no user serviceable parts inside. If you drop anything into the unit during installation, consult your dealer or an authorized CLARION service center.
2. Use a soft, dry cloth to clean the case. Never use hard cloth, thinner, benzen, alcohol, etc. For tough dirt, apply a little cold or warm water to a soft cloth and wipe off the dirt gentry.

IMPORTANT:
Improper installation may cause damage to your unit or car. If you do not have the appropriate experience, consult a qualified installer. Cutting chassis wire leads voids the warranty.

1. Ne pas ouvrir le coffret. Il n'y a pas de pièces réparables par l'utilisateur à l'intérieur de l'appareil. Si un objet est tombé dans l'appareil pendant l'installation, consulter votre revendeur ou un service après-vente agréé CLARION.
2. Utiliser un chiffon doux et sec pour nettoyer le coffret, ne jamais utiliser un chiffon rigide, un diluant, du benzène, de l'alcool, etc. Pour enlever la saleté tenace, appliquer un peu d'eau froide ou tiède sur un chiffon doux et essuyer doucement la saleté

IMPORTANT:
Une installation incorrecte peut endommager l'appareil ou le véhicule. Si l'on ne possède pas les connaissances requises, consulter un installateur qualifié. Couper le fil du châssis annule la garantie.

1. No abra la caja. En el interior no hay piezas que pueda reparar el usuario. Si dentro de la unidad entra algo durante la instalación, consulte a su proveedor o a un centro de servicio autorizado por CLARION.
2. Para limpiar la caja, utilice un paño suave y seco. no use nunca un paño duro, diluidor de pintura, benceno, alcohol, etc. Para la suciedad resistente, aplique un poco de agua fría o caliente a un paño suave y frote suavemente la parte sucia.

IMPORTANTE:
La instalación inapropiada puede causar daños en su unidad o su automóvil. Si usted no posee la experiencia apropiada, consulte a un instalador cualificado. El corte de los conductores de puesta a masa (carrocería) anulará la garantía.

Clarion Co., Ltd.

11 Which of the following products/services do you own or intend to buy within the next 18 months?

	Own	Intend to buy		Own	Intend to buy
Home Desktop PC	1 ☐	9 ☐	Satellite System/Service	17 ☐	24 ☐
Laptop Computer	2 ☐	10 ☐	Cellular Telephone	18 ☐	25 ☐
Color Monitor	3 ☐	11 ☐	Pager	19 ☐	26 ☐
CD-ROM	4 ☐	12 ☐	Call Waiting	20 ☐	27 ☐
Computer Speakers	5 ☐	13 ☐	Karaoke	21 ☐	28 ☐
Color Printer	6 ☐	14 ☐	Vehicle Navigation System	22 ☐	29 ☐
Modem	7 ☐	15 ☐	Vehicle Security System	23 ☐	30 ☐
Large Screen TV (35" or larger)	8 ☐	16 ☐			

12 Is this your first Clarion purchase? 1 ☐ 1st purchase 2 ☐ 2nd purchase 3 ☐ 3rd or more

13 What type of computer do you own?

1 ☐ IBM PC or Clone   2 ☐ Macintosh or Clone   3 ☐ Do Not Own

14 Which on-line service/network do you subscribe to?

1 ☐ America Online   4 ☐ MSN   7 ☐ Other
2 ☐ CompuServe   5 ☐ Internet   8 ☐ Do not have service/access
3 ☐ GEnie   6 ☐ Prodigy

## ADX SERIES, PRO VIDEO & PRO AUDIO WARRANTY INFORMATION

Clarion offers two-year warranty coverage on ADX Series, Pro Video, and Pro Audio products (excluding speakers) **ONLY** if the product is installed at the same location where purchased. If not installed by the authorized dealer, one-year warranty coverage is provided.

To obtain two-year warranty coverage on your Clarion ADX Series, Pro Video, or Pro Audio product, excluding speakers, complete this section in full and return it along with a copy of your receipt and the attached product registration information in an envelope addressed to:

Clarion Sales Corporation
P.O. Box 863
Brea, CA 92822-0863

Retailer/Dealer Name

Retailer/Dealer Address

City   State/Prov.   Zip/Post Code

Retailer/Dealer Phone w/Area Code   Date Installed: Month Day Year

TWO-YEAR WARRANTY NOT VALID UNLESS THE SECTION ABOVE IS COMPLETED IN FULL AND RETURNED WITH A COPY OF YOUR RECEIPT.

Please tape closed along this edge. DO NOT STAPLE.

CLARION SALES CORPORATION
PO BOX 863
BREA CA 92822-0863

clarion®
CAR AUDIO & BEYOND

Product Registration
for USA and Canada only

IMPORTANT:

1. Detach this section of the card and keep it with your records.

2. Retain your sales receipt to validate warranty service.

3. If you purchased a Clarion ADX Series, Pro Video or Pro Audio product, be sure to complete the box on the last page of this form.

Information on Clarion authorized Warranty Centers
may be obtained by writing Clarion Corporation at the address below
or by calling
1-800-GO-CLARION.

In USA:
Clarion Sales Corporation
Warranty Service Center
661 West Redondo Beach Blvd.
Gardena, CA 90247
(310) 327-9100

In Canada
Clarion Canada, Inc.
Warranty Service Center
2239 Winston Park Drive
Oakville, Ontario L6H 5R1
(905)829-4600

www.clarionmultimedia.com

clarion W A R R A N T Y I N F O R M A T I O N

TEAR THIS PAGE OFF AND KEEP IT WITH YOUR RECEIPT!

		$	
Model Number	Serial Number	Price Paid (before tax)	

Retailer/Dealer Name

Retailer/Dealer Phone w/Area Code   Date Installed: Month   Day   Year

This product is warranted against all defects in material workmanship for a period of one year from the date of original purchase. The conditions of this warranty and the extent of the responsibility of Clarion Corporation under this warranty are as follows:

1. **PROOF OF DATE OF PURCHASE WILL BE REQUIRED FOR WARRANTY SERVICE OF THIS PRODUCT. INFORMATION ABOUT CLARION AUTHORIZED WARRANTY SERVICE CENTERS MAY ALSO BE OBTAINED BY CONTACTING OR WRITING CLARION CORPORATION AT THE ADDRESS LISTED ON THE FRONT OF THIS CARD.**

2. This warranty will become void if service performed by anyone other than an approved Clarion Warranty Service Center results in damage to product.

3. This warranty does not apply to any product which has been subject to misuse, neglect or accident, or which has had the serial number altered, defaced or removed, or which has been connected, installed, adjusted or repaired, other than in accordance with the instructions furnished by Clarion Corporation.

4. This warranty does not cover car static or other electrical interferences, tape head cleaning or adjustments, or labor costs for the removal or reinstallation of the unit for repair.

5. The sole responsibility of Clarion Corporation under this Warranty shall be limited to the repair or replacement thereof, at the sole discretion of Clarion Corporation.

6. If it becomes necessary to send the product or any defective part to Clarion Corporation or an authorized warranty service station, the product must be shipped in its original carton or equivalent carton, fully insured, with shipping charges prepaid. Clarion Corporation will not assume any responsibility for any loss or damage incurred in shipping.

7. ALL IMPLIED WARRANTIES EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW SHALL HAVE NO GREATER DURATION THAN THE WARRANTY PERIOD SET FORTH ABOVE. UNDER NO CIRCUMSTANCES SHALL CLARION CORPORATION BE LIABLE FOR ANY LOSS OR DAMAGE, DIRECT OR CONSEQUENTIAL, ARISING OUT OF THE USE OR INABILITY TO USE THE PRODUCT. BECAUSE SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS OR EXCLUSIONS OR LIMITATIONS OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, THE ABOVE LIMITATIONS OR EXCLUSIONS MAY NOT APPLY TO YOU.

8. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

9. Should you have any difficulties with the performance of this product during warranty, or with any Clarion authorized service centers, you may contact the Clarion National Service Managers at the address listed on the front of this card or call 1-800-GO-CLARION for a listing of Authorized Warranty Service Centers in your area.

281-0607-00

Tear at perforation and keep this page with your receipt.

Complete this section and mail to Clarion.

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clarion P R O D U C T R E G I S T R A T I O N C A R D

Thank you for selecting a high-quality product from Clarion. We hope you are completely satisfied with your purchase. We'd like to help serve you better by finding out more about your reasons for choosing Clarion. Please take a few moments to fill out the registration information on this card and answer a few questions about yourself and your product. Then, return the card to Clarion within 10 days of purchase. Your answers will be kept strictly confidential. We appreciate your response!

In Canada, place the card in an envelope and mail to:
Clarion Canada, Inc., Warranty Service Center, 2239 Winston Park Drive, Oakville, Ontario L6H 5R1.

1 ☐ Mr. ☐ Ms. ☐ Mrs. ☐ Miss

First Name   M. I.   Last Name

Mailing Address   Apt. No.

City   State/Prov.   Zip/Post Code

Phone w/Area Code   Date of Purchase: Month Day Year

2 What Clarion product did you purchase?

Multimedia
1 ☐ Color LCD Display/Control Unit
2 ☐ Color LCD Display
3 ☐ Cellular Telephone
4 ☐ Voice-Activated Navigation System
5 ☐ Video Cassette Player
6 ☐ TV Tuner
7 ☐ Rear Vision Camera

Car Audio
8 ☐ AM/FM Cassette
9 ☐ AM/FM CD Player
10 ☐ AM/FM Cassette/CD Player
11 ☐ CD Changer
12 ☐ Equalizer/DSP Processor Module
13 ☐ Amplifier
14 ☐ Speakers

		$	
Model Number	Serial Number	Price Paid (before tax)	

3 What is the name of the store where you purchased this product?

Retailer/Dealer Name

City   State/Prov.

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4 What is your age? *(Optional)* 1 ☐☐   **Marital Status?** *(Optional)* 2 ☐ Married 3 ☐ Single

5 Are there any children in your household? 1 ☐ Yes 2 ☐ No

If yes, please specify age range: 3 ☐ 1 - 12 4 ☐ 13 -16 5 ☐ 17 & up

6 What is the highest level of education you have completed?

1 ☐ Some High School
2 ☐ High School Graduate
3 ☐ Some College
4 ☐ Completed College
5 ☐ Some Graduate School
6 ☐ Completed Graduate School
7 ☐ Vocation/Technical School

7 What best describes your primary occupation?

1 ☐ Professional/Technical
2 ☐ Upper Management/Executive
3 ☐ Middle Management
4 ☐ Sales/Marketing
5 ☐ Clerical/Service Worker
6 ☐ Tradesman/Machine Operator/Laborer
7 ☐ Self-Employed/Business Owner
8 ☐ Food Service
9 ☐ Homemaker
10 ☐ Student
11 ☐ Retired
12 ☐ Other

8 What is your annual household income? *(Optional)*

1 ☐ Under $10,000
2 ☐ $10,000 - $19,999
3 ☐ $20,000 - $29,999
4 ☐ $30,000 - $39,999
5 ☐ $40,000 - $49,999
6 ☐ $50,000 - $59,999
7 ☐ $60,000 - $69,999
8 ☐ $70,000 - $79,999
9 ☐ $80,000 - $89,999
10 ☐ $90,000 - $99,999
11 ☐ $100,000 and over

9 Which factors influenced you the MOST in choosing this Clarion Product?

Group A (Please check two)
1 ☐ Newspaper Advertisement
2 ☐ TV Commercial
3 ☐ Radio Commercial
4 ☐ Magazine Advertisement
5 ☐ Recommended by Friend/Family
6 ☐ Clarion Name/Reputation
7 ☐ Recommended by Store Salesperson
8 ☐ On-line Information
9 ☐ Clarion Web Site
10 ☐ Store Display
11 ☐ Special Promotion
12 ☐ Other

Group B (Please check two)
13 ☐ Warranty
14 ☐ Price
15 ☐ Quality/Reliability
16 ☐ Features
17 ☐ Appearance/Design
18 ☐ Ease of Operation
19 ☐ Other

10 What type of music do you listen to most often? (Please check one)

1 ☐ Rock
2 ☐ Jazz
3 ☐ Blues
4 ☐ Pop
5 ☐ Country
6 ☐ Classical
7 ☐ Rap
8 ☐ Rhythm & Blues
9 ☐ Reggae
10 ☐ New Age
11 ☐ Easy Listening
12 ☐ Alternative